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ABSTRACT

The California Articulation Number (CAN) Project was initiated in 1985 by the three public segments of higher education in California: the University of California (UC), the California State Universities (CSU), and the California Community Colleges (CCC). The CAN System provides a cross reference number for lower-division, transferable, introductory courses which have been determined by faculty to be acceptably exchanged, one for the other. Colleges qualify to use a CAN if they have written, faculty-approved articulation agreements on the course with a minimum of UC or CSU campuses. This compilation comprises eight documents about the CAN System, designed for different audiences and for different purposes, including: (1) a brochure for students outlining the basic features of the CAN System; (2) a 1985 introductory statement about the system, which outlines the steps colleges must take to qualify courses for CAN, the principles underpinning the system, and the members of the CAN Coordinating Committee; (3) CAN newsletters from February and November 1986, and June and December 1987, offering status reports on progress in implementing the system; (4) the "1986-87 Annual Report of the CAN System Coordinating Committee to the California Postsecondary Education Committee"; and (5) "A Guide to the CAN System" for colleges interested in participating in the project. (EJV)

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CALIFORNIA ARTICULATION NUMBER SYSTEM

- Plan
- Prepare
- Transfer

CAN

CALIFORNIA ARTICULATION NUMBER SYSTEM

JC 880140

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What Is The California Articulation Number System?

The California Articulation Number (CAN) System provides a cross reference number for courses which have been evaluated by faculty and determined to be acceptable "in lieu of" each other. Only lower division, transferable, introductory courses commonly taught on two and four-year college and university campuses are included in the System.

The criteria for a campus to qualify to use a California Articulation Number includes written, faculty-approved articulation agreements on each course with a minimum of four public four-year California colleges and universities.

The California Articulation Number System is not a common numbering system. Each campus retains its own course numbers, prefixes, and titles. The CAN (e.g. CAN ENGL 2) is listed parenthetically in catalog descriptions, class schedules, and other publications as appropriate.

The CAN designation is assurance that the course or sequence of courses will be accepted in lieu of an identically designated CAN course or sequence at all participating campuses in California.

How Do I Use The System?

Careful consideration of prerequisite and required courses which have been identified with a California Articulation Number will help you to plan your lower division program. You will be assured that the courses will not only be transferable, but will also satisfy lower division preparation requirements at the college you have chosen to attend.

- *Determine the course, or sequence of courses, you must complete to meet lower division requirements. (See catalogs.)*
- *Check the list of courses qualified to use a California Articulation Number:*
  - *for the campus you are currently attending;*
  - *for the campus where you have completed course work previously; and*
  - *for the campus where you plan to transfer.*
- *Course lists may be found in the:*
  - *Advising Office*
  - *Articulation Office*
  - *College Catalogs*
  - *Counseling Office*
  - *Department Offices*
  - *Evaluations Office*
  - *Transfer Center*

Consult your counselor or advisor and formulate your plans as early as possible!

The first semester Physics course, Mechanics, is an illustration of the multiple course numbers presently used in California. There are six different numbers within the eight campus University of California system, 18 different numbers within the 19 campuses of the California State University system, and 38 different numbers among the California Community Colleges.

Participating campuses cross reference their courses with a California Articulation Number as illustrated below. The courses with identical California Articulation Numbers are accepted in lieu of each other.

EXAMPLE A:

First semester Physics, Mechanics, for Science and Engineering majors:

CAMPUS A: PHYS 210 (CAN PHYS 8)
CAMPUS B: Phys. 2.1 (CAN PHYS 8)
CAMPUS C: PHYS 2200 (CAN PHYS 8)

EXAMPLE B:

Intro., British Literature, 1st quarter of year sequence:

CAMPUS X: Engl. 40 (CAN ENGL 7)
CAMPUS Y: ENGL 110 (CAN ENGL 7)
CAMPUS Z: Lit. 21A (CAN ENGL 7)

EXAMPLE C:

Intro., Administration of Justice:

CAMPUS D: CR J 5 (CAN AJ 2)
CAMPUS E: Law Enf. 1 (CAN AJ 2)
CAMPUS F: HCSV 12 (CAN AJ 2)

NOTE: As in Examples B and C, the names of the departments offering the courses may vary from campus to campus.

What Can The California Articulation Number System Do For You?

The goal of the California Articulation Number System is to simplify the confusing and mystifying multiple course numbering systems facing students, faculty, and counselors; to make the transfer process easier, and simultaneously lead to increased and improved course articulation throughout California.

The System will help you:

- *choose the correct course when course titles and descriptions are similar.*
- *select the correct course to complete a sequence of required courses.*
- *plan a program of study which will fulfill lower division preparation for transfer to the college or university of your choice.*

Courses with a California Articulation Number make all transferring easier:

2-year to 2-year campus
2-year to 4-year campus
4-year to 4-year campus
or
4-year to 2-year campus

Participating campuses are committed to facilitating the transfer of students.

Transfer In California Higher Education

More than 60,000 students transfer among the three segments of public higher education in California each year.

The Master Plan for Higher Education in California envisages a coherent and expeditious transfer process.

The California Articulation Number System is one of several intersegmental projects designed to aid students in transferring between campuses without loss of time, credit, or duplication of effort.

The California Articulation Number System is sponsored by the California State University, California Community Colleges, the University of California, and the California Postsecondary Education Commission.

For additional information or assistance, you may contact the CAN System Office:

650 University Avenue, Suite 102D
Sacramento, California 95825
(916) 929-2629

California Articulation Number project

THE OPENER

August 1985

The California Articulation Numbering system project is being jointly funded in 1985-86 by the three public segments of higher education. The Project Coordinating Office will continue to be housed at the following address:

CAN Project Office
CTR Room 112
6000 J Street
Sacramento, CA 95819
(916) 454-6975

Carolyn Salls will be Project Coordinator and Rusty Slabinski will provide office support; both have worked with CAN since its inception. Helena Bennett, who has worked with CAN in the past, will join the Project in October. Duane Anderson, convenor of the CAN committee, will continue to direct the project this year.

Articulation is an on-going process. If your campus has submitted a preliminary report, continue to send any new or updated agreements developed. You will be receiving a status report soon. A number of regional meetings are planned to keep you informed and to assist you in the articulation process leading to the use of California Articulation Numbers. Your faculty participation is essential. Faculty exercise the quality control and maintain the integrity of the system through the communication and cooperation inherent in an active articulation program. It is vital to the transfer function. If a session on your campus would be advantageous, call us--let's discuss a time!

The original CAN PRIMER is being revised. A new GUIDE will be distributed to all California 2- and 4-year campuses in September. The GUIDE will contain everything you ever wanted to know (we hope) about CAN. The principles and processes are unchanged so those of you who have been working on articulation agreements looking toward participation in CAN won't miss a step.

Campuses which have qualified courses for CAN may officially begin to publicize CAN after they have returned a letter of commitment which will be sent by the project office.

The steps to qualify courses and join the CAN system are briefly stated as follows:

1) Community colleges must develop written, faculty-approved course articulation agreements between your campus and (4) public four-year institutions to include at least 1 CSU and 1 UC campus for each of the courses;

   Four-year campuses must develop written, faculty-approved course articulation agreements between your campus and (4) four-year institutions to include at least 1 CSU, 1 UC and no more than one campus from the private/independent segment for each of the courses.

2) Before you send a report to the CAN Office, verify the accuracy of your existing agreements with the other campuses.

3) Report articulated courses using the form in Appendix F of the PRIMER (the same form will appear as Appendix F in the new GUIDE). Even though only articulation agreements with four-year campuses are used to qualify for CAN, four-year campuses must report agreements with two-year campuses so that they can qualify and we can verify agreements. Duplicate the Report Form (Appendix F) for each discipline.

4) The CAN Project Office will then:

   a. Acknowledge receipt of reports;

   b. Record the articulated courses reported;

   c. Contact campuses to resolve any problems;

   d. Verify that articulation agreements are mutually agreed upon, even though the other campus may not intend to participate in CAN;

   e. Determine that criteria to participate have been met;

   f. Send a campus a list of courses that qualify to use a California Articulation Number;

   g. Send a "Statement of Commitment" to participate in the CAN System for campus approvals. This should be signed by the Chief Executive Officer (or designee), the Academic Senate or Faculty Chair, and the Articulation Officer and returned to the CAN Project Office. The Statement of Commitment will stand until officially withdrawn; the signed Statement of Commitment indicates a campus will accept identically-numbered CAN courses "in lieu of" until withdrawn from catalogs, course schedules, etc.;

   h. Publicize campuses participating in CAN by discipline and by course.

CANONS:

*Reports of articulated and verified courses are received on a rolling basis in the CAN Office. Please use the form provided in the GUIDE.

*Courses are not arbitrarily assigned a California Articulation Number; the courses and numbers used in this initial phase are listed in the GUIDE. They were selected because they were extensively articulated already and were commonly taught at most college campuses.

*Upper division courses are not included.

*Single listings only.

*Once the original CAN courses are substantially articulated and listed as qualified courses, the Coordinating Committee will entertain proposals for additions and changes to the system.

The CAN Coordinating Committee consisting of 1 central office person, 2 campus articulation officers and one faculty representative from each public segment of higher education has met twice to date. The responsibilities and "charge" of the committee are being defined. Initially, the committee will: originate, modify, review, and evaluate policy; solicit and respond to proposals; communicate and represent the Project's activities and commitments to their constituents. The goal is to develop an effective statewide cross-identification numbering system without legislative directive. Members of the CAN Coordinating Committee are:

Dr. William Haldeman, CPEC
Dr. Connie Anderson, Community College Chancellor's Office
Dr. Bruce Paulson, Mt. San Antonio College
Ms. Barbara Loughridge, American River College
Dr. Mark Edelstein, Chair, Community College Academic Senate,
Palomar College
Mr. Ed Apodaca, Office of the President, UC Systemwide Office
Ms. Debra Friedman, UC Systemwide Office
Ms. Karen Taylor, UC, Berkeley
Mr. Juel Lee, UC, Irvine
Dr. Mark Wheelis, Vice Chair, BOARS-University of California, UC, Davis
Dr. Stephanie McGraw, CSU Chancellor's Office
Mr. William Gowler, CSU, Fullerton
Dr. Bernie Goldstein, Chair, CSU Academic Senate, San Francisco State Univ.
Dr. Duane Anderson, Convenor, CAN Coordinating Committee, CSU, Sacramento

We are dedicated to working with you to maintain a high degree of accuracy, to maintain quality control and to increase faculty-approved articulation of courses. This will lead to a simplified, understandable cross-reference numbering system for California higher education. Let's all strive to qualify courses--any number--by Fall, 1985!

Distr. August 1, 1985:	President/Chancellor	(2)
Approx. 200 colleges	Academic Senate	(2)
	Articulation Officer	(2)

CAN
CALIFORNIA ARTICULATION NUMBER SYSTEM
PHONE: (916) 278-6957
ATSS : 8-433-6957

CAN Project Office
6000 J Street
Sacramento, CA 95819-2694

CANDID NOTES
CALIFORNIA ARTICULATION NUMBER SYSTEM NEWSLETTER
February, 1986

FIRST TO QUALIFY

Congratulations to the College of the Siskiyous in Weed and to Shasta College in Redding! They were the first campuses in the state to meet the criteria and qualify to use CANs. The following campuses have qualified courses:

- American River College
- Cabrillo College
- Cerritos College
- Cosumnes River College
- Diablo Valley College
- El Camino College
- Fresno City College
- Glendale College
- Golden West College
- Long Beach City College
- Modesto Junior College
- Orange Coast College
- Rancho Santiago College
- Rio Hondo College
- Sacramento City College
- Santa Rosa Junior College
- Shasta College
- Sierra College
- College of the Siskiyous
- Yuba College
- CSU, Sacramento
- San Diego State University

These campuses, and many others, are working diligently to finalize articulation agreements and to resolve discrepancies on agreements currently in effect in order to qualify courses. Sacramento City College has 29 courses in the System, the highest number for any campus. **SPECIAL THANKS** to the four-year campuses that have been so cooperative in verifying existing articulation agreements with other reporting campuses. This verification process by campuses that have not yet submitted their own articulation reports to the CAN Office is helping reporting campuses meet the CAN criteria. The CAN Office and the individual campuses appreciate your assistance and prompt action.

STATUS REPORTS

"Status reports"--in CAN System terminology--are documents returned to reporting campuses to advise them of different situations regarding the information they have listed. For example: one campus may list articulation on a course numbered 112, while the other campus lists the course numbered as 120. There is obviously a discrepancy that needs to be resolved by the two campuses before the report can be recorded for purposes of qualifying a course. In the ideal situation, Campus A reports an articulated course with Campus B and Campus B reports the same course with Campus A. This is identical articulation and the status report will show an "ok."

The Goal is: 4 "OK's" on each course!

The status reports are used as "working documents" by the campuses. As more articulation is developed and existing discrepancies are resolved, the status report changes. Periodic updates of articulation should be sent to the CAN Office using Appendix F in THE GUIDE so the data can be recorded and criteria checked on each course you wish to qualify.

CRITERIA

A brief review of the "steps" are as follows:

1. Develop written articulation between your campus and four 4-year institutions to include 1 CSU and 1 UC campus (four-year campuses may articulate with one private/independent institution; two-year campuses are required to articulate with public four-year institutions only).

2. Report your articulation to the CAN Office using Appendices F1, F2, F3 or F4 in the new CAN GUIDE (neat handwriting is acceptable --typed reports are not necessary).

The CAN Office will:

1. Acknowledge that we received your report;

2. Record and "match up" the agreements with those campuses you reported articulation with; and

3. Prepare a report for you on the status of your articulation for CAN after we have "matched" it.

When "discrepancies" have been resolved and the criteria have been met, the CAN Office will send you a list of courses meeting the criteria accompanied by a "Statement of Commitment." The Statement of Commitment should be signed by appropriate campus officials and returned to the CAN Office. It indicates your campus will use identically-numbered CAN courses in the same way your own courses are used. Then your campus may use the designated CANs! **Please do not use CANs in your publications until the criteria have been met and the Statement of Commitment has been signed by the appropriate officials on your campus and returned to the CAN Office.** The CAN Office will notify you as additional courses qualify. Also, beginning in May, 1986, we will periodically publish listings of campuses and qualified courses. (See the CAN GUIDE for a more detailed account of the steps to qualify.)

The Academic Council (Executive Committee) of the University of California Academic Senate has been studying their participation in CAN. While this is underway, they passed the following motion:

> "Recognizing that the CCC's and the CSU's are eager to begin implementation of CAN, the Academic Council urges the Office of the President to take such actions as are needed appropriately to expand the articulation efforts of the University of California. The Academic Senate intends to maintain active involvement in the effective development and implementaton of the articulation process."

The Office of the President communicated this to campuses in December.

CAN COORDINATING COMMITTEE

The CAN Coordinating Committee met November 13, 1985, in San Diego. Agenda items included:

1. A report on the California Articulation Number System progress, CAN Office activities during 1985, and results of the statewide survey conducted by the CAN Office on the status of articulation, mentioned below.
2. Concerns and comments were reported from those who attended the 20 regional meetings conducted in 1985. Typical comments included: slow response, or no response to requests for articulation; slow pace of 4-year institutions in developing articulation; the need for broader descriptions of courses; inadequate staffing for quality articulation; and a need to accommodate sequences of courses.
3. The funding of CAN through equal segmental contributions for 1986-87, a permanent location and affiliation for the CAN System Office were discussed without immediate resolution.
4. The Committee discussed the need for full-time staffing and adequate support, what is possible, and the importance of articulation in improving the transfer process. We must be certain that students, faculty, and administrators are aware of articulation problems, issues, and progress.

REPORT TO CPEC

The first annual report of the California Articulation Number System Coordinating Committee was forwarded to CPEC in December, 1985. The report included discussion on:

1. The results of the articulation survey and the contacts made throughout the year indicated a dramatic increase in articulation efforts. Eighty-six of the 89 community colleges and 17 of the 19 state

universities responding to the survey indicated that they plan to develop articulation to participate in CAN.

2. The groups endorsing CAN and supporting future developments include the CCC Academic Senate, the Commission on Hispanic Underrepresentation, and the California Association of Community Colleges Articulation subcommittee.

3. There is renewed interest for cooperative, intersegmental articulation even though there are significant intersegmental differences in who is responsible for and how articulation is completed.

4. The report reviewed the intersegmental composition of the Coordinating Committee, the agenda for the year, and the progress made during 1985.

5. The CAN staff made presentations at the statewide Articulation Conference and 22 regional workshops/conferences. There were 283 representatives from 130 colleges and universities attending these sessions. The staff also met with four of the academic liaison committees during the past year (English, Foreign Language, Business, and Home Economics).

6. By mid-December 50 articulation reports had been received and processed in the CAN Office; over 125 Requests for Verification were submitted to four-year campuses that have not yet sent in their articulation reports. Responses to Requests for Verification are helping two- and four-year campuses meet the criteria to qualify courses.

A COLLEAGUE'S COMMENT:

Art Tenbrink, Counselor, Chabot Valley Campus, likened CAN to an "Articulation Freeway"--

> Prior to the advent of freeways, individual cities and towns were connected by an intricate network of roads and highways. Establishing "freeways" enabled more efficient, streamlined transportation and access to one's destination.
>
> Likewise, the CAN System! CAN appears to be the "articulation freeway" that will enable individual campuses to articulate with each other and allow students to transfer to their destination in a more efficient, streamlined fashion than they have in the past.

TO PROMOTE THE ARTICULATION PROCESS: OPEN THE LINES OF COMMUNICATION:
PHONE - WRITE - ACKNOWLEDGE REQUESTS - RESPOND IN A TIMELY MANNER!

See you at the Articulation Conference in Burlingame, May 1 and 2! There will be two sessions on articulation and CAN--beginning and advanced.

CAN
CALIFORNIA ARTICULATION NUMBER SYSTEM

CAN Project Office
6000 J Street
Sacramento, CA 95819-2694

CANDID NOTES #3
California Articulation Number System Newsletter
November, 1986

What a dynamic year for articulation and CAN!!! Thanks to many energetic people, a network of faculty-approved articulation agreements is being developed among the segments. Campuses are expressing interest and proceeding with varied intensity. Some are initiating the articulation process; others are expanding. The development of the statewide cross-reference numbering system has involved many people working together cooperatively to articulate courses and provide the curricular cohesion among the segments necessary to support the transfer process and for the success of CAN.

In October 1985, 45 campuses had submitted reports of articulation; in October 1986, 63 reports had been received. In October 1985, three campuses qualified courses; in October 1986, 38 campuses had qualified courses. In October 1985, 41 courses had qualified to use a CAN; by October 1986, 651 courses qualified!! The number of reported courses which potentially will carry a California Articulation Number is over 3000, which is very exciting. 310 courses in English alone have been reported, to name only one of the 27 disciplines.

Many campuses have set a goal to have 60 or more of their courses qualified this fall. Enthusiasm for articulation and the CAN System is high. Our goal for this year is to continue development of intersegmental articulation and expand participation. It is projected that by June 1987, articulation will have been developed which will increase the segmental participation and the number of qualified courses so that the System will be operational for students, faculty, and administrators.

The report below shows current statistics on participation and defines the stages leading to full campus participation.

STATUS REPORT:

A REPORTING CAMPUS is one which has submitted a report of articulation on one or more courses to the CAN System Office. Reporting campuses are listed below. The first number in parenthesis shows the number of courses reported.

A QUALIFYING CAMPUS has submitted a report of articulation to the CAN System Office, has met the criteria, AND therefore, qualified one or more courses. The number of qualified courses is in parenthesis following the number of courses reported.

A PARTICIPATING CAMPUS has submitted a report of articulation to the CAN System Office, has met the criteria to qualify one or more courses, AND has signed and returned a Statement of Commitment. An asterisk (*) denotes a participating campus.

California Community Colleges (47):

*American River Coll. (103/30)
*Butte College (91/29)
*Cabrillo College (84/20)
*Canada College (82/18)
*Cerritos College (81/5)
Chabot College (75)
Citrus College (73/2)
Coastline College (48)
Contra Costa College (48)
*Cosumnes River College (83/44)
Cuesta College (5)
Cypress College (83)
*Diablo Valley College (89/23)
El Camino College (37/13)
*Fresno City College (93/22)
*Gavilan College (21/2)
*Glendale College (74/13)
*Golden West College (78/19)
Hartnell College (74)
Imperial Valley College (72)
Lake Tahoe College (22)
*Laney College (22/9)
*Long Beach City Coll. (39/12)
*Mendocino College (62/8)
*Merced College (97/25)
*Modesto Junior College (102/52)
*Moorpark College (50/4)
*Mt. San Antonio College (54/4)
*Napa Valley College (73/37)
Ohlone College (64)
*Orange Coast College (81/5)
*Rancho Santiago College (88/6)
*College of the Redwoods (91/21)
*Rio Hondo College (74/11)
*Sacramento City College (94/34)
*Saddleback College (104/7)
San Bernardino Valley Coll. (68)
San Joaquin Delta College (20)
*Santa Rosa Junior Coll. (75/34)
*Shasta College (97/26)
*Sierra College (85/7)
*College of the Siskiyous (48/18)
Solano College (93)
*Southwestern College (46/21)
Ventura College (51/2)
West Valley College (81)
*Yuba College (57/24)

California State Universities (12):

CSU, Chico (53)
CSU, Fullerton (63)
CSU, Hayward (70/2)
Humboldt State University (40)
CSU, Long Beach (68)
CSU, Northridge (42)
CSPU, Pomona (11)
*CSU, Sacramento (88/31)
CSU, San Bernardino (26)
*San Diego State Univ. (70/9)
CSPU, San Luis Obispo (58)
*CSU, Stanislaus (46/4)

University of California (1):

UC Davis (37)

Independent Colleges/Universities (3):

Golden Gate University (21)
Marymount Palos Verdes College (50)
US International University (0)

Number of articulated courses
with 4-year campuses reported ↓
(100/100)
↑ Number of qualified courses

CAN COORDINATING COMMITTEE Meeting, September 30, 1986
West Los Angeles Community College Airport Campus

Lengthy discussion centered on CAN System accomplishments to date, ways to further enhance the articulation process, the participation of CSU and UC in articulation and the CAN System. CAN continues to be very much in the forefront of discussions on several levels. The System is listed as one way to improve transfer by the Commission studying the Master Plan. One conclusion we came to was that the segment headquarters offices need to take a stronger advocacy role to make the CAN System operational. The consensus was that we must work within our respective segments to commit the necessary resources to develop articulation for the transfer process and the CAN System to function effectively.

Although there was extended discussion about modifying the criteria for participation in CAN, born out of frustration with delays, lack of commitment to articulation, and what seems to many to be an uncooperative attitude from some four-year campuses, the committee agreed to retain the present criteria. The basic concern we all shared was that the CAN System is now an intersegmental program involving "all" institutions of higher education and it is extremely important to try to retain that comprehensive, cooperative concept.

In accordance with the CPEC Plan for Implementing the California Articulation Number System, the Committee will submit a report to CPEC by November 15th to include a report on participation or non-participation by institution and segment. The commission is required to comment on CAN to the Legislature in 1987 with respect to the extent to which it meets the needs for a statewide course numbering system.

CPEC will be preparing the report to the legislature. If you wish to comment on CAN, its progress, what you think is relevant to its success, etc., please write to Linda Barton White, California Postsecondary Education Commission, 1020 12th Street, Third Floor, Sacramento, CA 95814.

Occasionally faculty and staff from four-year campuses explain the paucity of articulation on their campuses with the statement: "We get all our transfer students from local (or very close) community colleges. We have everything worked out with them." The figures below show the numbers of community colleges sending one or more transfers to CSU and UC campuses.

CAMPUS	Number of Community Colleges Sending 1 or More Students Fall 1984	Fall 1985
CSC, Bakersfield	46	47
CSU, Chico	97	94
CSU, Dominguez Hills	62	54
CSU, Fresno	84	81
CSU, Fullerton	76	69
CSU, Hayward	66	59
Humboldt State	85	90
CSU, Long Beach	90	92
CSU, Los Angeles	71	67
CSU, Northridge	79	80
CSPU, Pomona	79	73
CSU, Sacramento	94	86
CSU, San Bernardino	57	62
San Diego State	98	100
San Francisco State	86	86
San Jose State	91	87
CPSU, San Luis Obispo	94	95
Sonoma State	82	77
CSU, Stanislaus	52	47
UC Berkeley	86	84
UC Davis	81	75
UC Irvine	68	68
UC Los Angeles	77	69
UC Riverside	45	42
UC San Diego	76	65
UC Santa Barbara	88	79
UC Santa Cruz	70	73

While it may be true that the bulk of transfers come from a limited number of nearby community colleges, that still leaves dozens of students and dozens of unique evaluations to be completed by every four-year campus. The point we try to make is that CAN reduces the workload both in creating articulation agreements with schools which send you relatively few students, and assists you in producing a consistent and reliable evaluation every time, for every transfer, from such "small number" feeder schools. The double benefit is attainable with less articulation workload because of the CAN System participation.

NEW HOME FOR CAN:

We are scheduled to move to new offices adjacent to the CSU, Sacramento campus in early December.

Our new address will be:

CAN SYSTEM OFFICE
650 University Avenue, Suite 102
Sacramento, California 95815

Telephone: (916) 929-2629 (after December 5, 1986)

July, 1986

AMENDMENT TO APPENDIX C, A GUIDE TO CAN

Articulation by Sequences of Courses within the CAN System

While basic, introductory courses are usually very similar, comparable and easily articulated from campus to campus, there are instances where because of the length of terms, philosophical differences regarding learning theory, arrangements of supporting or prerequisite courses or other pedagogical reasons, courses within a sequence vary in pace, manner, mode of instruction, or order of delivery to such an extent that they cannot be articulated with individual CAN courses.

However, within each sequence or series of courses, e.g. CAN CHEM 1+3+5, the first year, quarter term Chemistry sequence, there are common course contents, objectives, and desired student competencies. To accommodate these variations, within the CAN System we have now identified course groupings to permit campuses to articulate sequence to sequence using the sequence letters described below.

It is clearly preferable to articulate course to course so that students who transfer before completing a sequence are assured that their progress will be acknowledged at the receiving institution. If that is not possible, then the sequence to sequence option is available. The following examples explain the sequence concept when course "X" does not include the same topics or elements as the course we identify as CAN CHEM 1, course "Y" does not include the elements for CAN CHEM 3, and course "Z" does not include the elements for CAN CHEM 5. All the elements covered in CAN CHEM 1 and 3 and 5 are included in the courses X, Y, and Z. The same pattern may exist for semester term courses.

Qtr. Terms

CAN CHEM 1	Course X
Topics 1,2,3,4	Topics 1,2,5,9
CAN CHEM 3	Course Y
Topics 5,6,7,8	Topics 3,6,8,10
CAN CHEM 5	Course Z
Topics 9,10,11,12	Topics 4,7,11,12

Sem. Terms

CAN CHEM 2	Course Q
Topics 1,2,3,4,5,6	Topics 1,2,3,4,11,12
CAN CHEM 4	Course P
Topics 7,8,9,10,11,12	Topics 5,6,7,8,9,10

In each example, the sequence designation, CAN CHEM SEQ A, may be used to describe the total "package" of twelve topics and outcomes.

CAN CHEM SEQ A ~ Courses X, Y, Z ~ CAN CHEM 1+3+5 ~
CAN CHEM 2+4 ~ Courses Q + P

All four examples represent the CAN CHEM SEQUENCE A and are acceptable in lieu of each other. It must be clear to students that all the courses in the sequence must be completed before the "in lieu of" assurance is valid.

This addition of sequence articulation requires a modification of the Appendix F reporting pages. Please indicate articulation by sequence by bracketing the appropriate courses as listed below. For example:

CAN 1	CAN 2	CAN 3	CAN 4	CAN 5	CAN 6	CAN 7	CAN 8
CAN CHEM SEQ A Our Courses: Chem. 22, 23, 24							

etc.

On most campuses courses have been articulated and cross-referenced as CAN courses. In addition, catalogs and other publications should indicate that when taken as a "package" these courses represent Sequence A or B, etc.

APPENDIX C
Sequence Listing

CAN ART SEQ A	Course content included in CAN ART 1+3+5 or CAN ART 2+4
CAN BUS SEQ A	Course content included in CAN BUS 1+3+5 or CAN BUS 2+4
CAN CHEM SEQ A	Course content included in CAN CHEM 1+3+5 or CAN CHEM 2+4
CAN CHEM SEQ B	Course content included in CAN CHEM 7+9+11 or CAN CHEM 6+8
CAN ENGL SEQ A	Course content included in CAN ENGL 1+3+5 or CAN ENGL 2+4
CAN ENGL SEQ B	Course content included in CAN ENGL 7+9+11 or CAN ENGL 8+10
CAN ENGL SEQ C	Course content included in CAN ENGL 13+15+17 or CAN ENGL 14+16
CAN HIST SEQ A	Course content included in CAN HIST 1+3+5 or CAN HIST 2+4
CAN HIST SEQ B	Course content included in CAN HIST 7+9+11 or CAN HIST 8+10
CAN HUM SEQ A	Course content included in CAN HUM 1+3+5 or CAN HUM 2+4
CAN MATH SEQ A	Course content covered in CAN MATH 11+13+15 or CAN MATH 12+14
CAN MATH SEQ B	Course content covered in CAN MATH 17+19+21 or CAN MATH 18+20
CAN MATH SEQ C	Course content covered in CAN MATH 17+19+21+23 or CAN MATH 18+20+22
CAN MATH SEQ D	Course content covered in CAN MATH 29+31+33 or CAN MATH 30+32
CAN MUS SEQ A	Course content covered in CAN MUS 1+3+5 or CAN MUS 2+4
CAN MUS SEQ B	Course content covered in CAN MUS 7+9+11 or CAN MUS 8+10
CAN PHYS SEQ A	Course content covered in CAN PHYS 1+3+5 or CAN PHYS 2+4
CAN PHYS SEQ B	Course content covered in CAN PHYS 7+9+11+13 or CAN PHYS 8+10+12
CAN PSY SEQ A	Course content covered in CAN PSY 1+3+5 or CAN PSY 2+4

CAN BRIEFS:

Campuses may submit partial articulation reports; you do not have to wait until all articulation is finalized with four public four-year campuses, including at least one UC and one CSU. The UC requirement is waived for Administration of Justice, Business Administration, Journalism, and Recreation; therefore, courses may be qualified with any four public four-year schools. Please use the forms--Appendix F in the CAN GUIDE--for all reports of articulation.

Twenty-one four-year campuses have responded to 324 requests for verification of articulation. The number of courses on each request ranges from one course to seventy-five.

Several new courses have been suggested for possible inclusion in the CAN System: Agriculture, Argumentation, Consumer Education, Foreign Languages, Microbiology, Music Appreciation, History of Philosophy, and Photography. Are there others to consider?

A survey of Physics courses revealed eighteen different numbers used to identify the introductory, first course in the CSU, six different numbers in the UC, and in the community colleges, sixty nine different numbers. This is just another example of the confusing and diverse numbers used for one discipline. The CAN System doesn't change any campus' numbers, but the CAN eliminates the confusion.

Transfer Core Program? A preliminary study of the lower division preparation required for majors in both the CSU and UC systems shows that a "core" curriculum for the 27 disciplines included in the CAN System is virtually in place. In the case of Business, only two courses (required by San Diego State and San Francisco State) are not assigned CAN's. In Biology, there are four courses, including two which are likely candidates for CAN's. With very few exceptions most of the courses are already well articulated across the state and could be included in the CAN System readily, if they are not now included.

Please insert the enclosed Amendment to Appendix C in your copy of A GUIDE TO CAN.

Please circulate CANDID Notes throughout your department. If you would like additional copies, or if you would like copies of the CAN GUIDE, please call us.

CAN
CALIFORNIA ARTICULATION NUMBER SYSTEM

CANDID NOTES

June 1987 Volume 4 650 University Avenue, Sacramento CA 95825

PROGRESS

Have you ever heard as many folks talking about course articulation as during the first five months of 1987? Many of these people are not only talking about it, they're doing something about it. Eighty-six campuses have submitted initial reports of articulation to the CAN Office and they are continuing to "update" as more articulation is developed. During the first quarter of 1986, 350 courses were qualified to use a CAN; during the first quarter of 1987, 511 courses became qualified. As we go to press, over 1,300 courses have met the criteria and are qualified to carry a California Articulation Number.

As more quarter system campuses expand articulation, there will be greater use of "sequence" articulation. The process and guidelines for the articulation of sequences of courses is explained on a one page (blue) supplement to the CAN GUIDE which was distributed last July.

ORIENTATION

As summer slips into fall, campuses will be involved in the orientation of new and returning students and new faculty. We hope Articulation Officers will take advantage of these "group" meetings . . . work with the Student Services and Instructional Services Officers on your campus to see if the agenda will accommodate a segment on CAN. Faculty and students need to know about CAN!!

UC ACADEMIC COUNCIL

On May 13, 1987, the Academic Council of the systemwide senate of the University of California approved the following resolution:

"The Academic Council urges the Office of the President to give increased priority to the urgent need to fund sufficient staff on each of at least two campuses so that articulation efforts leading to the assignment of California Articulation Numbers within public higher education may be expanded."

During spring meetings of the CAN Coordinating Committee (April 15th in Sacramento and May 5th in Costa Mesa), the requirement, "articulation with at least one campus from the University of California system," was removed from the criteria to qualify 14 additional courses in the California Articulation Number System. These courses are not commonly taught in the UC system.

Courses in the Number System that may meet the criteria with any four public four-year accredited institutions in California are as follows:

CAN AJ	2	Intro., Administration of Justice
CAN AJ	4	Introduction to Law
CAN AJ	6	Introduction to Evidence
CAN AJ	8	Intro., Investigation
CAN BUS	2	Financial Accounting
CAN BUS	4	Managerial Accounting
CAN BUS	6	Mgmt. Information Systems
CAN BUS	8	Intro., Business Law
*CAN CSCI	6	BASIC Programming
*CAN CSCI	8	COBOL Programming
*CAN GOVT	2	Intro. to Government
*CAN H EC	8	Principles of Foods
*CAN H EC	10	Princ. Clothing Construction
*CAN H EC	12	Family Relationships
*CAN H EC	14	Child Development
*CAN HUM	2	Antiquity - Renaissance
*CAN HUM	4	Renaissance - Present
CAN JOUR	2	News Reporting
CAN JOUR	4	Intro., Mass Media
*CAN MATH	2	Intro., Math Reasoning
*CAN MATH	4	Math for Elem. School Teaching
*CAN MATH	8	Trigonometry
*CAN MATH	12	Finite Math, 1st Semester
*CAN MATH	14	Finite Math, 2nd Semester
CAN REC	2	Intro. to Recreation
CAN REC	4	Intro., Rec. Leadership
CAN REC	6	Rec. Use of Natural Resources
CAN REC	8	Rec.-Env. Park Soils Management

*April/May, 1987

REMINDERS

- Four-year campuses, if you receive a request for verification of the articulation that another campus has reported with you, we would suggest:
  - a. If the course numbers are exactly the same as your records show, indicate by marking "yes."
  - b. If the articulation reported differs from records on your campus, mark "no" AND call the articulation officer at the reporting campus to resolve the discrepancy.
- Once discrepancies have been resolved, for any campus, a new F1 form should be sent to the CAN Office for proper recording.
- If the course numbers or titles have changed and there has been no change in course content, please advise the CAN Office of the corrected data.
- When course content is changed, negotiate articulation on the new course with 4 four-year campuses to qualify the "new" course. Send an updated F1 reporting the articulation.
- Copy Appendix F in THE GUIDE to use for all reports of articulation.

Blue CAN posters have been mailed to campuses with qualified courses. The posters seek a prominent site with high student contact potential. Desired locations are Student Services bulletin boards, Counseling Centers, Department Offices, Transfer Centers, Career Centers, and Admissions areas. If you know of a prime location please contact the Articulation Officer on your campus. Please make every effort to keep the qualified course list up to date. Students will be able to tell at a glance which of your courses have qualified to use California Articulation Numbers.

The criteria to qualify courses for a California Articulation Number include verified articulation with four four-year public institutions to include at least one CSU campus and at least one University of California campus. The agreements between four-year campuses serve as an overlaying network which assures an acceptable level of preparation as well as consistency in the lower division preparatory courses. The articulation processes bring the faculty from the degree granting four-year campuses in *direct* contact to develop and negotiate the acceptable levels of preparation required.

MORE COURSES AND CHANGES

As a result of several regional meetings and a statewide convention of Home Economics educators, there are four new Home Economics courses to be added to the CAN System and six current courses have new titles.

Home Economics faculty from the three segments of higher education and the high schools have developed course expectancy statements which list the desired outcomes and competencies for each of the eleven courses. They have recommended and reached consensus that these courses be taught as lower division preparation for the several options/concentrations within Home Economics. The Home Economics faculty and administrators have been a model group for articulation and cooperative agreements.

The four new courses are:

CAN H EC 16	Life Management
CAN H EC 18	Interior Design Fundamentals
CAN H EC 20	Fashion Selection
CAN H EC 22	Fashion Industry/Marketing

Changes to read as follows:

CAN H EC 4	Principles of Design
CAN H EC 6	Textiles
CAN H EC 8	Principles of Foods
CAN H EC 10	Principles of Clothing Construction
CAN H EC 12	Family Relationships
CAN H EC 14	Child Development

Please make note of the necessary corrections and additions in your CAN GUIDE.

FIRST THINGS FIRST

Please be sure your articulation is in place, current, and accurately listed, i.e. both campuses are in agreement, before you send in a first time report or an update.

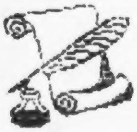
JUST IN

New reports received in the CAN Office include:

Kings River College
Riverside Community College

REPORTING CAMPUSES IN RANK ORDER BY NUMBER OF QUALIFIED COURSES

Santa Rosa Junior College	61
Modesto Junior College	59
Cosumnes River College	53
Fresno City College	47
Merced College	45
De Anza College	44
Napa Valley College	43
Canada College	40
Butte College	39
CSU, Sacramento	38
Mt. San Antonio College	37
Sacramento City College	37
College of the Siskiyous	35
American River College	34
College of the Sequoias	32
Diablo Valley College	31
Solano College	31
Glendale College	30
Ventura College	30
West Valley College	29
Citrus College	28
Cerritos College	27
Hartnell College	27
Yuba College	27
Mission College	26
College of the Redwoods	26
Shasta College	26
El Camino College	23
Cabrillo College	22
Southwestern College	21
Golden West College	19
Sierra College	19
Chabot College	17
Rio Hondo College	17
Orange Coast College	16
Laney College	15
Rancho Santiago College	15
San Joaquin Delta College	13
Long Beach City College	12
Ohlone College	12
San Diego State University	11
College of San Mateo	10
CSU, Hayward	9
Fullerton College	9
Monterey Peninsula College	9
Coastline College	8
Imperial Valley College	8
Mendocino College	8
Moorpark College	8
Saddleback College	7
MiraCosta College	6
CSU, Stanislaus	5
East Los Angeles College	5
Los Angeles City College	5
Los Angeles Harbor College	5
Los Angeles Mission College	5
Los Angeles Valley College	5
West Los Angeles College	5
Los Angeles Pierce College	4
Los Angeles Southwest College	4
Los Angeles Trade-Tech College	4
Lake Tahoe College	4
CSU, Fullerton	3
Gavilan College	2
Cuesta College	1
City College of San Francisco	0
Columbia College	0
Contra Costa College	0
CPSU, San Luis Obispo	0
CSPU, Pomona	0
CSU, Chico	0
CSU, Fresno	0
CSU, Long Beach	0
CSU, Northridge	0
CSU, San Bernardino	0
Cypress College	0
Golden Gate University	0
Humboldt State University	0
Kings River College	0
Los Medanos College	0
Marymount Palos Verdes College	0
Riverside Community College	0
San Bernardino Valley College	0
UC Davis	0
US International University	0



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CAN H EC 12	Family Relationships
CAN H EC 14	Child Development

Please make note of the necessary corrections and additions in your CAN GUIDE.

COMMENTS? QUESTIONS?

Contact the CAN System Office or any member of the California Articulation Number System Coordinating Committee for 1987-1988:

Ms. Linda Barton White (916) 322-7984
CA Postsecondary Education Commission

Dr. Connie Anderson (916) 445-0486
CA Community Colleges Chancellor's Office

Ms. Barbara Loughridge (916) 920-7834
Los Rios Community College District

Dr. Bruce Paulson (714) 594-5611
Mt. San Antonio College

Mr. Val Villa (818) 781-1200
Community College Academic Senate

Mr. Ed Apodaca (415) 642-5860
UC Office of the President

Ms. Karen Taylor (415) 642-5135
UC Berkeley

Mr. Juel Lee (714) 856-5518
UC Irvine

Dr. Mark Wheelis (916) 752-0562
UC Academic Senate

Dr. Stephanie McGraw (213) 590-5547
CSU Chancellor's Office

Mr. William Gowler (714) 773-2361
CSU, Fullerton

Dr. Bernard Goldstein (213) 590-5578
CSU Academic Senate

Dr. Duane Anderson (916) 278-6724
CSU, Sacramento

CAN System Office (916) 929-2629

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CALIFORNIA ARTICULATION NUMBER SYSTEM

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Sacramento, CA 95825
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CANDID NOTES

California Articulation Number System

December 1987 Volume 5 650 University Avenue, Sacramento CA 95825

PROGRESS

The Coordinating Committee for the California Articulation Number System met Tuesday, November 10, 1987 at the California Postsecondary Education Commission Office in Sacramento. CPEC Director Pickens and long-time articulation expert Dr. Dorothy Knoell joined the committee in discussion of strategies to increase four-year institution participation in CAN and to speed up full implementation statewide. The Commission has been very supportive of the CAN System, consistently recommending segmental commitments and actions to implement CAN.

Two University of California campuses, Davis and Riverside, have been selected to give increased priority to developing articulation with other four-year institutions in order to expand the CAN System within public higher education. The University's goals for increased participation include qualifying 20 courses for UCD and 10 for UCR by February 1988.

It is important to remember that the criteria to qualify a course for a California Articulation Number is the same for all campuses. Articulation between four-year campuses is relatively new, both within segments and intersegmentally; however, the committee feels that it is essential to the integrity of the System and ensures faculty confidence.

Discussion items also included a proposal outlining a procedure for adding a course to the Number System and a process for reviewing the currency of reported articulation. For the review process, each reporting campus will be requested to confirm that their articulation is current and in effect. It is understood that reporting campuses should routinely report modifications in course titles and numbers. Articulation review requests will be mailed each year by April 1 with a response requested by May 1. This procedure is expected to be implemented in 1988.

Initial work on expanded course descriptions to aid campuses in properly identifying courses included in the System has begun. The coordinating committee recommended that an intersegmental faculty committee from each discipline develop the descriptions to be used. Segmental coordinating committee members will identify representative faculty to participate in this task.

Regular meeting dates for the committee were established as follows: the first Tuesday in February; the first week in May, to coincide with the Articulation Conference; and the first Tuesday in October.

If you have comments or questions, please feel free to contact the CAN System Office or any of the members of the California Articulation Number System Coordinating Committee listed on page 4.

STRENGTHENING TRANSFER AND ARTICULATION POLICIES AND PRACTICES IN CALIFORNIA'S COLLEGES AND UNIVERSITIES

(CPEC REPORT, November 1987)

In 1985, the Commission made 24 recommendations in their report "Reaffirming California's Commitment to Transfer." A section of the November 1987 report, "Strengthening Transfer and Articulation Policies and Practices in California's Colleges and Universities," describes how and to what extent those recommendations have been implemented. Excerpts from this report follow:

Recommendation (1985): "The California Articulation Number System should be implemented by the University, the State University, and the Community Colleges with special State funding for this purpose."

CPEC staff comments (1987): " . . . Commission staff continues to monitor the progress in implementing CAN and will inform the Commission if action is needed to make the system work."

Recommendation (1985): "Statewide efforts to improve transfer information should build on regional campus-to-campus efforts to improve transfer information and services for a large majority of students who want to transfer to the closest University or State University campus."

CPEC staff comments (1987): " . . . The California Articulation Number System requires regional, intersegmental participation . . . by college and University faculty . . . Counselors and other staff involved in transfer meet periodically by region."

"Updated" or new recommendations, which replace those adopted by the Commission in 1985, are in the 1987 report as well. The revised version is the result of a concerted effort to limit not only the number of recommendations, but to also broaden their scope.

Recommendation #4 (1987): "Participation in the California Articulation Number system, which began on a voluntary, regional basis, should be endorsed by the University, the State University, and the Community Colleges in order to encourage its continuing development in all regions and institutions in the State, with increased State funding if necessary.

The California Articulation Number (CAN) system will not develop to its full potential unless all public segments strongly encourage their respective campuses to participate. CAN began and developed as a voluntary, regional activity, but the reluctance of some campuses to participate is slowing its progress."

CPEC staff comments (1987): "Staff will report to the Commission in June 1988 on progress made in implementing these recommendations . . ."

REMINDERS

- Proper identification of each course on your campus is of paramount importance! If you are not sure of the appropriate course, don't use it. Refer to THE GUIDE, pp. 13-17.
- Development of faculty-approved articulation agreements is the first step. Accurate course articulation is necessary. If it corresponds to courses currently in the System, report it.
- If you articulate a sequence of courses rather than one course for one course, identify each sequence with the designated CAN sequence as listed in the Amendment to Appendix C, A GUIDE TO CAN.
- If you articulate courses which are offered sequentially but articulated one-for-one, identify those courses and report the course-for-course articulation for the separate CAN course designations.
- Save yourselves time and work! It is not necessary to send supporting documents, i.e. agreements or memos, with your F1 reports.
- Written articulation agreements serve students equitably, eliminate confusion and duplication of effort, and save time. Consistency in articulation serves all students well.

HOME ECONOMICS AGREEMENT

The articulation liaison committee of the California Home Economics Association met on the CSU, Chico campus November 17th. This intersegmental group has developed descriptions for each of the eleven Home Economics courses in the California Articulation Number System. Three of the courses require the full criteria to qualify, however, eight of the courses may qualify to use a CAN by articulation with any four public four-year institutions in California.

Consensus was reached on the course descriptions among the seven four-year campuses present on all eleven CAN courses. Five additional CSU campuses are expected to join in this agreement. The articulation between campuses involves identifying courses and agreeing that these courses would be accepted in lieu of one another.

RELEVANT READING

Articulation Council of California. *The Role of Faculty in the Articulation Process.* 1986.

California Postsecondary Education Commission. *Reaffirming California's Commitment to Transfer.* Commission Report 85-15. Sacramento: The Commission, March 1985.

—. *Strengthening Transfer and Articulation Policies and Practices in California's Colleges and Universities: Progress Since 1985 and Suggestions for the Future.* Commission Report 87-41. Sacramento: The Commission, November 1987.

Commission for the Review of the Master Plan for Higher Education. *The Master Plan Renewed: Unity, Equity, Quality, and Efficiency in California Postsecondary Education.* Sacramento: Master Plan Commission, July 1987.

The criteria to qualify courses for a California Articulation Number include verified articulation with four four-year public institutions to include at least one CSU campus and at least one University of California campus. The agreements between four-year campuses serve as an overlaying network which assures an acceptable level of preparation as well as consistency in the lower division preparatory courses. The articulation processes bring the faculty from the degree granting four-year campuses in direct contact to develop and negotiate the acceptable levels of preparation required.

THE CAN CATALOG OF COURSES

The first edition of the California Articulation Number System Catalog of Courses was mailed to the articulation officer of each campus of the three public segments of higher education in California. The catalog will serve as the master list of courses qualified to use a California Articulation Number.

The catalog will be published twice yearly, in June and November, beginning with the new year. Though every effort has been made to assure the accuracy of the listings in the catalog, those who use the information should note that because the System is developing and expanding, changes and additions are to be expected. The most current information may be obtained from the articulation officer on each campus.

DISTRIBUTION

CANDID NOTES is circulated three times per year on each campus to the following people and offices:

College/University President
Articulation Officer
Vice President/Dean, Academic Affairs
Vice President/Dean, Student Affairs
Transfer Center Director
Chair, Academic Senate
President, Associated Students
Department Chairpersons for each of the 27 disciplines

In addition, CSU, UC, and CCC statewide Academic Senate members receive newsletters. If you would like additional copies, or you know someone who would like to be added to the distribution, please contact the CAN System Office. We maintain a mailing list of over 4500 individuals statewide.

Plan to Attend

Articulation Conference
May 12 - 13

San Francisco Airport Westin Hotel

REPORTING CAMPUSES IN RANK ORDER BY NUMBER OF QUALIFIED COURSES

Santa Rosa Junior College	74
Modesto Junior College	69
Cosumnes River College	54
De Anza College	52
Fresno City College	52
Merced College	48
Sacramento City College	47
CSU, Sacramento	46
Butte College	45
Canada College	44
Napa Valley College	44
Mt. San Antonio College	41
City College of San Francisco	39
Rio Hondo College	39
Solano College	38
American River College	36
Cabrillo College	36
Glendale College	35
College of the Siskiyous	35
Cerritos College	34
College of the Sequoias	34
Ventura College	34
Diablo Valley College	31
Hartnell College	31
Orange Coast College	30
West Valley College	30
Citrus College	29
College of the Redwoods	29
Moorpark College	28
Saddleback College	28
Yuba College	28
Mission College	27
Shasta College	26
Ohlone College	25
San Joaquin Delta College	24
El Camino College	23
Fullerton College	23
Golden West College	21
Southwestern College	21
Chabot College	17
Rancho Santiago College	17
San Diego State University	16
Laney College	15
Cypress College	12
Long Beach City College	12
CSU, Hayward	11
Los Angeles Valley College	11
Coastline College	11
East Los Angeles College	10
Imperial Valley College	10
Los Angeles City College	10
Los Angeles Harbor College	10
Los Angeles Mission College	10
Los Angeles Pierce College	10
College of San Mateo	10
West Los Angeles College	10
Los Angeles Southwest College	9
Los Angeles Trade-Technical College	9
Monterey Peninsula College	9
Kings River College	8
Mendocino College	8
MiraCosta College	8
San Bernardino Valley College	8
CSU, Fresno	6
CSU, Stanislaus	6
Lake Tahoe College	6
CSU, Northridge	5
Contra Costa College	4
San Franciscc State University	4
CSU, Chico	3
CSU, Fullerton	3
Gavilan College	3
Cuesta College	1
Los Medanos College	1
Bakersfield College	0
Columbia College	0
CPSU, San Luis Obispo	0
CSPU, Pomona	0
CSU, Long Beach	0
CSU, San Bernardino	0
Golden Gate University	0
Humboldt State University	0
Marymount College at Palos Verdes	0
Riverside Community College	0
Skyline College	0
UC Davis	0
US International University	0

REGIONAL MEETINGS

The series of nine intersegmental regional meetings sponsored by the Articulation Council during February and March, 1987 were highly successful. Course articulation - the foundation of the Number system - was a prime topic, as well as many other transfer issues. One purpose of the meetings was to stimulate regional consortia of articulation officers.

Calls made to the contact persons at host campuses indicated that three of the regions have either had follow-up meetings, or plan to schedule one soon. Six have not followed up, but five contacts had comments such as: "We should continue"; "the meetings force us to confront issues"; "provide an opportunity to have direct input to segmental offices"; and, "now is the time to do another cne."

The first meeting of the Transfer and Articulation Committee of the Intersegmental Coordinating Council (ICC) was held December 7, 1987. The "Roles and Responsibilities of Articulation Officers" document reviewed at the regional meetings and the draft document of the "major issues" which were developed through these meetings, were brought before the committee for discussion and action.

We hope that the new Intersegmental Coordinating Council will continue to sponsor these worthwhile regional meetings. Watch for further developments!

CALIFORNIA ARTICULATION NUMBER SYSTEM COORDINATING COMMITTEE 1987-88

Dr. Connie Anderson
California CC Chancellor's Office
(916) 445-0486

Dr. Bruce Paulson
Southern CC Articulation Representative
Mt. San Antonio College
(714) 594-5611

Ms. Barbara Loughridge Howard
Northern CC Articulation Representative
Los Rios Community College District
(916) 920-7834

Mr. Art Dull
CC Academic Senate Representative
Diablo Valley College
(415) 685-1230

Mr. Ed Apodaca
UC Office of the President
(415) 642-5860

Ms. Karen Taylor
Northern UC Articulation Representative
UC Berkeley
(415) 642-5135

Mr. Bill Ponder
Southern UC Articulation Representative
UC Riverside
(714) 787-4188

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CSU, Fullerton
(714) 773-2361

Dr. Duane L. Anderson
Northern CSU Articulation Representative/Convener
CSU, Sacramento
(916) 278-6724

Dr. Becky Loewy
CSU Academic Senate Representative
San Francisco State University
(415) 338-2267

Ms. Linda Barton White
California Postsecondary Education
Commission Representative
(916) 322-7984

CALIFORNIA ARTICULATION NUMBER SYSTEM

650 University Avenue, Suite 102D
Sacramento, CA 95825

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The University of California - California Postsecondary Education Commission

The 1986-87 ANNUAL REPORT of the California Articulation Number System Coordinating Committee to the California Postsecondary Education Commission

The California Articulation Number System began in 1982 as a voluntary intersegmental pilot project involving 26 community colleges, 5 CSU campuses, and one UC campus in Northern California. In 1983 SB 851 requested the California Postsecondary Education Commission (CPEC) to develop a plan for a common course-numbering system to be used by public postsecondary education institutions. After reviewing systems throughout the United States, the Commission published a "Study of Common Course Numbering Systems," authored by Dr. Dorothy Knoell. This study recommended the California Articulation Number (CAN) System be implemented and set forth an implementation plan. The subsequent CPEC endorsement and intersegmental agreement to share funding launched the CAN System into "official" status on July 1, 1985.

The specific steps in the proposal for implementation of the California Articulation Number System have been addressed, but with varying degrees of resolution.

The Intersegmental CAN Coordinating Committee has convened regularly since then, including three times since our last report. The current members are:

Dr. Connie Anderson
Dean, Transfer Education
& Articulation
California CC Chancellor's Office

Dr. Bruce Paulson
Vice President, Instructional
& Student Services
Mt. San Antonio College

Ms. Barbara Loughridge Howard
Director, Transfer Centers
& Articulation
Los Rios Community College District

Mr. Arthur Dull
Representative, Academic Senate
for California Community Colleges
Diablo Valley College

Mr. Ed Apodaca
Director, Admissions/Outreach Services
UC Office of the President

Ms. Karen Taylor
Articulation Officer
UC Berkeley

Mr. Bill Ponder
Asst. Director
Undergraduate Admissions
UC Riverside

Dr. Mark Wheelis
Chair, Board of Admissions
and Relations with Schools
UC Davis

Dr. Stephanie McGraw
Dean, Educational
Support Services
CSU Chancellor's Office

Mr. William Gowler
University Articulation Officer
CSU, Fullerton

Dr. Duane Anderson
Convener
CSU, Sacramento

Dr. Becky Loewy
Representative
CSU Academic Senate

Ms. Linda Barton White
Representative
California Postsecondary
Education Commission

Although two representatives of the Association of Independent California Colleges and Universities joined the coordinating committee in November 1985, both resigned during 1986. Replacements have not been appointed.

Funding for the number system is shared equally by the three public segments. A budget summary is included as Appendix A.

Statutory responsibility for the number system is yet to be assigned. The office staff consists of two professional persons with extensive experience in articulation at both the two-year community college and four-year university levels and two clerical-technical persons. The Coordinator and the Articulation Specialist recommend, counsel, instruct, and facilitate individual and intersegmental group articulation endeavors throughout the state. They serve as consultants on developing an active articulation program, assist in training new articulation personnel, counsel on course articulation, transfer issues, and procedural matters related to intersegmental cooperation. The office, in addition, has become an information center for course articulation concerns.

It is important to keep in mind that the CAN System Office has been funded for only a little more than two years, which in the academic evolutionary processes is a relatively short time. Although we would like to have moved further and faster to implement the System, considerable progress has been made. During the past year, for example, the CAN staff participated in 13 regional and/or statewide meetings and conducted 62 small group meetings where 52 community colleges, 17 CSU, and 6 UC campuses were represented and involved with the processes of improving articulation for California transfer students (Appendix B).

In response to campus requests for expanded descriptions for the courses included in the System, the staff has made initial contact with faculty, department chairs, deans, discipline associations, and intersegmental groups in several disciplines. They are being asked to provide assistance in developing a succinct statement of course expectations or a very general course description which identifies the essential elements to be included in each course. Direct contact with faculty by the CAN office staff has resulted in an immediate or timely response and cooperation. Telephonic requests for input are not handled as effectively.

Several academic disciplines have strongly endorsed the CAN System and worked to reach statewide course expectations/ competencies statements to facilitate inclusion of their lower division courses in CAN. The Home Economics faculty have all but consummated such agreements. They will have an agreement on the lower division preparation necessary for each of the concentrations within the discipline and an understanding of lower division and upper division courses.

The California Association of Administration of Justice Consultants has recently completed a draft document for the CCC Chancellor's Office which will be distributed to the campuses in early 1988. The study presents course content, the level of knowledge required, and identification of course outcomes and objectives required for lower division courses.

There are several salient points, which are often overlooked, in the California Articulation Number System criteria:

1. Before any course on any campus can use a CAN prefix, the course must be articulated with four four-year public institutions, which include at least one CSU and one UC campus. ("Articulation" is defined as a bilateral or collaborative process between campuses rather than an evaluation process by one of the two segments.)

2. A "reporting" campus has only submitted a report of one or more articulation agreements in effect with 4-year campuses.

3. A "qualifying" campus has submitted a report of such articulation with at least four four-year campuses, met the criteria, and qualified one or more courses.

4. A "participating" campus has submitted a report of articulation with 4-year campuses to the CAN System Office, has met the criteria to qualify one or more courses, and has signed and returned a Statement of Commitment. The Statement of Commitment is the campus

commitment to participate (join the System) and acknowledges that each course qualified to use a CAN has been deemed acceptable in lieu of a corresponding course by a minimum of four four-year campus faculty within the particular discipline. The commitment indicates that a campus is willing to accept and use CAN courses from other campuses as they use their own course with that same California Articulation Number.

A copy of our Monthly Status Report, distributed to the coordinating committee, is attached as Appendix C.

The CAN Office staff conducts research to make recommendations to the Coordinating Committee regarding the addition or deletion of courses or changes in criteria. Campuses request information about course offerings and articulation frequently. A list of courses with the UC articulation requirement waived is found in Appendix D.

In December 1986, the office moved from the CSU, Sacramento campus to the current address: 650 University Avenue, Ste. 102D, Sacramento.

The office publishes CANDID NOTES (our newsletter) which provides current information about the California Articulation Number System. The publication includes the status, progress, changes, reminders, and relevant information about articulation and CAN. It is published three times per year with extensive distribution to each campus.

Two posters and a brochure have been developed and distributed this year. These publications promote the concept of planning for transfer while attending community colleges and increase awareness of the number system in the transfer process.

The staff worked closely with the Articulation Council of California during the spring of 1987 to conduct and participate in nine regional articulation workshops and conferences which were very successful and productive.

A comprehensive integrated computer system to manage the vast range and amount of information included in the California Articulation Number System is imminent. When the database system is completed, campuses will have access to statewide information regarding course offerings and articulation.

The Coordinating Committee members have been working to encourage voluntary participation in the California Articulation Number System by all of the state's public colleges and universities. The nine regional conferences sponsored by the Articulation Council, other ACC activities, and the May 1987 CAN Coordinating Committee meeting stimulated a great deal of enthusiasm and optimism about the California Articulation Number System as well as intersegmental articulation efforts in general.

These efforts were enhanced by intersegmental Senate actions related to common transfer course patterns. The University of California Academic Council requested the allocation of resources for articulation personnel on two UC campuses specifically to develop four-year to four-year articulation in order to promote participation in the California Articulation Number System. The request went to the UC President's Office in mid May. While verbal commitments have been made, no official allocation notices have been received on the two campuses at Davis and Riverside as of December 1, 1987.

A strong commitment among two-year and four-year institutions to work cooperatively to resolve transfer issues is evident. However, there is a concurrent concern about the lack of action on four-year campuses to commit adequate resources to the articulation function. Also, there is concern about the lapse of leadership with articulation activities related to the functions of the now defunct Articulation Council. In addition, there is concern that ineffective communication between segmental leaders, both administrative and academic, and "front line" teaching faculty, academic coordinators, and department chairs, has resulted in a lack of perspective and appreciation of the statewide issues of intersegmental cooperation and articulation.

Based on a survey of 191 campuses in 1985, the community colleges and the CSU indicated overwhelming support for participation in the CAN System and "interest" by 4 UC and 15 independent campuses. The survey indicated that the University of California and some community colleges and CSU campuses needed more time to determine whether they could or would participate. The first annual report (December, 1985) suggested that timetables for the inclusion of California Articulation Numbers on "all campuses of the University and the State University and all community colleges, together with those independent institutions wishing to participate" would be difficult to establish because of the varied approaches by the segments and campuses within the segments.

The following table illustrates the activity since 1985 by segment:

	Fall 1985	Fall 1986	Fall 1987
Number of Reporting Campuses			
Community Colleges	33	60	71
CSU	9	12	14
UC	1	1	1
Independent Colleges/Univ.	3	3	3
	46	76	89
Number of Qualifying Campuses			
Community Colleges	2	36	67
CSU	1	4	9
UC	0	0	0
Independent Colleges/Univ.	0	0	0
	3	40	76
Number of Participating Campuses			
Community Colleges	2	33	64
CSU	1	4	6
UC	0	0	0
Independent Colleges/Univ.	0	0	0
	3	37	70
Total Number of Courses Qualifying	41	734	1758

For additional comparative data, see Appendix E.

During the past year, the criteria for qualifying courses to participate in the System were discussed at length. The committee reaffirmed that CAN should include all three public segments of higher education; however, the deliberative and time consuming consultative processes of the University of California system almost resulted in a vote to delete the requirement for articulation with at least one University of California campus from the criteria to qualify courses for the CAN System. The committee voted to sustain the criteria pending definitive, positive action by the University. A goal of qualifying courses on both the UC Davis and Riverside campuses by February 1, 1988 was agreed upon in November.

The enthusiasm of many community colleges has been dampened by the pace of progress. They continue to see the CAN System as a very beneficial and time saving articulation and transfer tool. Several community colleges and CSU campuses have been reluctant to initiate and/or to continue pursuit of articulation because the four-year institutions, both UC and CSU, in their areas have been unwilling to cooperate or are unbelievably slow to respond. Several campuses have not responded to inquiries from the CAN office to verify articulation initially made in 1985!

While the progress on a variety of issues and activities supporting articulation efforts stimulated interest and significant solid work this past year, they also provided a plausible rationale to "wait out developments," "see how things were going to fall into place next year," and other excuses why inactivity seemed the best course of action, or more appropriately, inaction. Some positive efforts to stimulate progress must be forthcoming. Obviously, it is in the best interests of the three segments to initiate real progress voluntarily because, at least for the time being, they can define the best options and choices without interference.

In view of the slow progress in certain areas, it seems appropriate for the Coordinating Committee to establish timetables for the segments at this time. The duration from December 1985 to November 1987 would seem to give adequate time to campuses and segments to study the issues and to make the decision and commitment to participate in the number system as a means of aiding students in advancing from lower division instruction in a community college to upper division instruction in a four-year institution without loss of time, credit, or duplication of effort.

There are other positive signs of intersegmental actions, but whether these will ultimately meet the needs of transfer students without legislative action is questionable. The Review of the Master Plan and reform activities with the K - 12 school systems have had a salutary effect on many cooperative activities, but the stimuli may not be sustaining nor the action sustained long enough to bring statewide improvements in articulation, course numbering efforts, or transfer rates.

The three segments of public higher education each submit an annual report in response to Recommendation 4 from the original report to the legislature (Appendix F). The three reports are authored by Dr. Connie Anderson, Dean of Transfer and Articulation, California Community Colleges; Mr. Edward Apodaca, Director of Admissions and Outreach Services, University of California; and Dr. Stephanie McGraw, Deputy Dean of Academic Affairs, California State University.

CALIFORNIA ARTICULATION NUMBER SYSTEM
COORDINATING OFFICE

1986-87-88
BUDGET SUMMARY

ITEM	1986-87	1987-88
Salaries and Benefits:		
2.2 professional	$81,000	$95,001
2 clerical	42,000	42,000
Micro Computer Terminal and Software	4,500	900
Computer Consultant - Temporary Help	3,000	-0-
Supplies, Duplicating, and Publications	15,000	28,599
Furniture and Equipment	2,400	1,500
Telephone	3,000	3,000
Postage	3,000	4,500
Travel	6,300	7,500
Rent and Utilities	9,000	12,000
TOTALS	$169,200	$195,000

CAMPUSES REPRESENTED at MEETINGS
Convened by the California Articulation Number System Staff
November 1986 - November 1987

COMMUNITY COLLEGES:

Allan Hancock College
American River College
Bakersfield College
Butte College
Canada College
Cerritos College
Coastline College
Compton College
Cuesta College
Cuyamaca College
De Anza College
Diablo Valley College
El Camino College
Evergreen Valley College
Foothill College
Fresno City College
Fullerton College
Gavilan College
Glendale College
Golden West College
Grossmont College
Imperial Valley College
Irvine Valley College
Long Beach City College
Los Angeles CC District
Marin Community College
MiraCosta College
Mission College
Modesto Junior College
Mt. San Antonio College
Ohlone College
Orange Coast College
Oxnard College
Palomar College
Pasadena City College
Rancho Santiago College
Rio Hondo College
Riverside City College
Saddleback College
San Bernardino Valley College
San Diego CC District
City College of San Francisco
San Joaquin Delta College
College of San Mateo
Santa Barbara City College
Sierra College

COMMUNITY COLLEGES, cont.

Skyline College
Solano College
Southwestern College
Ventura College
West Valley College
Yuba College

CALIFORNIA STATE UNIVERSITIES:

CSC, Bakersfield
CSU, Chico
CSU, Dominguez Hills
CSU, Fresno
CSU, Fullerton
CSU, Hayward
Humboldt State University
CSU, Long Beach
CSU, Los Angeles
CSPU, Pomona
CSU, Sacramento
CSU, San Bernardino
San Diego State University
San Francisco State University
San Jose State University
CPSU, San Luis Obispo
CSU, Stanislaus

UNIVERSITY OF CALIFORNIA:

UC Berkeley
UC Davis
UC Irvine
UC Riverside
UC San Diego
UC Santa Cruz

INDEPENDENT COLLEGES/ UNIVERSITIES:

Biola University
Chapman College
Marymount Palos Verdes College
University of La Verne

November 30, 1987

CAN
CALIFORNIA ARTICULATION NUMBER SYSTEM

APPENDIX C1

CAN System Office
650 University Ave., Suite 102D
Sacramento, CA 95825
(916) 929-2629

December 2, 1987

TO: Members of the Coordinating Committee
California Articulation Number System

FROM: Carolyn Salls
Coordinator Carolyn Salls

RE: STATUS REPORT for November 1987

The monthly status report for November 1987 is enclosed. A summary sheet indicates:

Number of campuses reporting;

Number of campuses qualifying courses;

Number of courses qualifying; and

Number of outstanding "Requests for Verification" by campus.

A detailed listing by campus is attached.

APPENDIX C2

California Articulation Number System
MONTHLY STATUS REPORT
SUMMARY

	October 1987	November 1987	Increase
Number of Campuses Reporting:			
Community Colleges	71	71	
California State University	14	14	
University of California	1	1	
Independent Colleges/Universities	3	3	
TOTAL:	89	89	-0-
Number of Campuses Qualifying Courses:			
Community Colleges	65	67	
California State University	9	9	
University of California	0	0	
Independent Colleges/Universities	0	0	
TOTAL:	74	76	+2
Number of Courses Qualifying:			
Community Colleges	1638	1658	
California State University	95	100	
University of California	0	0	
Independent Colleges/Universities	0	0	
TOTAL:	1733	1758	+25

OUTSTANDING REQUESTS FOR VERIFICATION
SUMMARY

Number of Outstanding Requests:

California State University	66
University of California	67
TOTAL:	133

CSU Campuses:

- CSU, Chico - 22
- CSU, Fresno - 3
- CSU, Hayward - 3
- CSU, Long Beach - 11
- CSU, Los Angeles - 5
- CSU, Northridge - 8
- San Francisco State - 2
- San Jose State - 6
- Sonoma State - 1
- CSU, Stanislaus - 5

UC Campuses:

- UC Davis - 10
- UC Irvine - 1
- UC Los Angeles - 19
- UC Riverside - 2
- UC San Diego - 4
- UC Santa Barbara - 28
- UC Santa Cruz - 3

12/1/87

COURSES QUALIFIED
December 1, 1987

COMMUNITY COLLEGES (71)	# OF COURSES QUALIFIED	COMMUNITY COLLEGES	# OF COURSES QUALIFIED
* American River College	36	* Los Angeles Mission College	10
Bakersfield College	0	* Los Angeles Pierce College	10
* Butte College	45	* Los Angeles Southwest College	9
* Cabrillo College	36	* Los Angeles Trade-Tech. Colleg	9
* Canada College	44	* Los Angeles Valley College	11
* Cerritos College	34	Los Medanos College	1
* Chabot College	17	* Mendocino College	8
* Citrus College	29	* Merced College	48
* City College of San Francisco	39	* MiraCosta College	8
* Coastline College	10	* Mission College	27
* College of San Mateo	10	* Modesto Junior College	69
* College of the Redwoods	29	* Monterey Peninsula College	9
* College of the Sequoias	34	* Moorpark College	28
* College of the Siskiyous	35	* Mt. San Antonio College	41
Columbia College	0	* Napa Valley College	44
Contra Costa College	4	* Ohlone College	25
* Cosumnes River College	54	* Orange Coast College	30
* Cuesta College	1	* Rancho Santiago College	17
* Cypress College	12	* Rio Hondo College	39
* De Anza College	52	Riverside City College	0
* Diablo Valley College	31	* Sacramento City College	47
* East Los Angeles College	10	* Saddleback College District	28
El Camino College	23	Irvine Valley College	
* Fresno City College	52	Saddleback College	
* Fullerton College	23	San Bernardino Valley College	8
* Gavilan College	3	* San Joaquin Delta College	24
* Glendale College	35	* Santa Rosa Junior College	74
* Golden West College	21	* Shasta College	26
* Hartnell College	31	* Sierra College	26
* Imperial Valley College	10	Skyline College	0
* Kings River College	8	* Solano College	38
* Lake Tahoe College	6	* Southwestern College	21
* Laney College	15	* Ventura College	31
* Long Beach City College	12	* West Los Angeles College	10
* Los Angeles City College	10	* West Valley College	30
* Los Angeles Harbor College	10	* Yuba College	28

TOTAL CC COURSES QUALIFIED: 1658

* Statement of Commitment on File

COURSES QUALIFIED
December 1, 1987

CALIFORNIA STATE UNIVERSITIES (14)	# OF COURSES QUALIFIED
CPSU, San Luis Obispo	0
CSPU, Pomona	0
* CSU, Chico	3
CSU, Fresno	6
* CSU, Fullerton	3
* CSU, Hayward	11
CSU, Long Beach	0
CSU, Northridge	5
* CSU, Sacramento	46
CSU, San Bernardino	0
* CSU, Stanislaus	6
Humboldt State University	0
* San Diego State University	16
San Francisco State University	4

TOTAL CSU COURSES QUALIFIED: 100

UNIVERSITY OF CALIFORNIA (1)	# OF COURSES QUALIFIED
UC Davis	0

TOTAL UC COURSES QUALIFIED: 0

INDEPENDENT COLLEGES/ UNIVERSITIES (3)	# OF COURSES QUALIFIED
Golden Gate University	0
Marymount Palos Verdes College	0
US International University	0

TOTAL IND COURSES QUALIFIED: 0

* Statement of Commitment on File

'RANK ORDER of QUALIFYING CAMPUSES -- 12/1/87

APPENDIX C5

QUALIFYING CAMPUS	OVERALL # OF COURSES
Santa Rosa Junior College	74
Modesto Junior College	69
Cosumnes River College	54
De Anza College	52
Fresno City College	52
Merced College	48
Sacramento City College	47
CSU, Sacramento	46
Butte College	45
Canada College	44
Napa Valley College	44
Mt. San Antonio College	41
City College of San Francisco	39
Rio Hondo College	39
Solano College	38
American River College	36
Cabrillo College	36
Glendale College	35
College of the Siskiyous	35
Cerritos College	34
College of the Sequoias	34
Ventura College	34
Diablo Valley College	31
Hartnell College	31
Orange Coast College	30
West Valley College	30
Citrus College	29
College of the Redwoods	29
Moorpark College	28
Saddleback College	28
Yuba College	28
Mission College	27
Shasta College	26
Sierra College	26
Ohlone College	25
San Joaquin Delta College	24
El Camino College	23
Fullerton College	23
Golden West College	21
Southwestern College	21
Chabot College	17
Rancho Santiago College	17
San Diego State University	16
Laney College	15
Cypress College	12
Long Beach City College	12
CSU, Hayward	11
Los Angeles Valley College	11
Coastline College	10
East Los Angeles College	10
Imperial Valley College	10
Los Angeles City College	10
Los Angeles Harbor College	10
Los Angeles Mission College	10
Los Angeles Pierce College	10
College of San Mateo	10
West Los Angeles College	10
Los Angeles Southwest College	9
Los Angeles Trade-Tech. College	9
Monterey Peninsula College	9
Kings River College	8
Mendocino College	8
MiraCosta College	8
San Bernardino Valley College	8
CSU, Fresno	6
CSU, Stanislaus	6
Lake Tahoe College	6
CSU, Northridge	5
Contra Costa College	4
San Francisco State University	4
CSU, Chico	3
CSU, Fullerton	3
Gavilan College	3
Cuesta College	1
Los Medanos College	1

OUTSTANDING REQUESTS FOR VERIFICATION - 12/1/87

APPENDIX C6

TO:	FOR:	# OF COURSES	MAILED:	RESP REQ?
CSU, Chico	Modesto	2	07/27/87	08/10/87
CSU, Chico	Bakersfield	3	11/02/87	11/16/87
CSU, Chico	Modesto	1	11/05/87	11/19/87
CSU, Chico	Butte	1	09/17/87	10/01/87
CSU, Chico	CC of San Francisco	3	07/28/87	08/11/87
CSU, Chico	Butte	1	10/15/87	10/29/87
CSU, Chico	San Joaquin Delta	1	09/15/87	09/29/87
CSU, Chico	Merced	2	08/12/87	08/26/87
CSU, Chico	Sacramento City	1	10/23/87	11/06/87
CSU, Chico	Lake Tahoe	19	06/29/87	07/13/87
CSU, Chico	Napa Valley	3	09/03/87	09/17/87
CSU, Chico	Golden West	2	09/24/87	10/08/87
CSU, Chico	Moorpark	4	08/17/87	08/31/87
CSU, Chico	Fresno City	1	06/29/87	07/13/87
CSU, Chico	Ventura	1	10/05/87	10/19/87
CSU, Chico	De Anza	1	10/05/87	10/19/87
CSU, Chico	Sacramento City	6	10/05/87	10/19/87
CSU, Chico	CSU, Fresno	3	06/08/87	06/22/87
CSU, Chico	Moorpark	1	09/15/87	09/29/87
CSU, Chico	Moorpark	3	06/29/87	07/13/87
CSU, Chico	San Diego State	6	08/07/87	08/21/87
CSU, Chico	CC of San Francisco	1	08/24/87	09/08/87
CSU, Fresno	San Joaquin Delta	2	09/15/87	09/29/87
CSU, Fresno	Modesto	3	07/27/87	08/10/87
CSU, Fresno	Santa Rosa	2	07/07/87	07/21/87
CSU, Hayward	CSU, Sacramento	2	03/18/87	04/01/87
CSU, Hayward	Modesto	1	11/05/87	11/19/87
CSU, Hayward	Contra Costa	7	11/05/87	11/19/87
CSU, Long Beach	LA Southwest	2	06/01/87	06/15/87
CSU, Long Beach	East LA	3	06/01/87	06/15/87
CSU, Long Beach	LA City	19	01/14/87	01/28/87
CSU, Long Beach	East LA	16	01/14/87	01/28/87
CSU, Long Beach	LA Harbor	17	01/14/87	01/28/87
CSU, Long Beach	LA Trade-Tech	14	01/14/87	01/28/87
CSU, Long Beach	Cabrillo	3	09/05/86	09/19/86
CSU, Long Beach	West LA	17	01/14/87	01/28/87
CSU, Long Beach	LA Pierce	14	01/14/87	01/28/87
CSU, Long Beach	LA Valley	17	01/14/87	01/28/87
CSU, Long Beach	LA Mission	16	01/14/87	01/28/87
CSU, Los Angeles	Modesto	1	09/15/87	09/29/87
CSU, Los Angeles	Fullerton	1	09/15/87	09/29/87
CSU, Los Angeles	Citrus	1	09/14/87	09/28/87
CSU, Los Angeles	Glendale	3	10/05/87	10/19/87
CSU, Los Angeles	Glendale	1	10/16/87	10/30/87
CSU, Northridge	CSU, Sacramento	2	01/05/87	01/19/87
CSU, Northridge	CSU, Fresno	5	05/13/87	05/27/87
CSU, Northridge	CSU, Sacramento	2	04/17/87	05/01/87
CSU, Northridge	Moorpark	1	09/15/87	09/29/87
CSU, Northridge	CSU, Fresno	3	06/08/87	06/22/87
CSU, Northridge	Moorpark	10	08/17/87	08/31/87
CSU, Northridge (2)	CSU, Sacramento	2	05/20/87	06/03/87
CSU, Northridge (2)	Humboldt State	23	05/20/87	06/03/87
CSU, Stanislaus	CSU, Fresno	1	05/13/87	05/27/87

OUTSTANDING REQUESTS FOR VERIFICATION - 12/1/87

APPENDIX C7

TO:	FOR:	# OF COURSES	MAILED:	RESP REQ?
CSU, Stanislaus	Cuesta	5	08/12/86	08/26/86
CSU, Stanislaus	CSU, Fresno	1	06/23/87	07/07/87
CSU, Stanislaus (2)	CSU, Fresno	3	09/14/87	09/28/87
CSU, Stanislaus (2)	Cuesta	5	09/14/87	09/28/87
San Francisco State	Redwoods	2	11/05/87	11/19/87
San Francisco State	Contra Costa	16	11/05/87	11/19/87
San Jose State	Ohlone	3	09/15/87	09/29/87
San Jose State	Cabrillo	5	10/09/87	10/23/87
San Jose State	San Joaquin Delta	2	06/11/87	06/25/87
San Jose State	CSU, Hayward	2	08/12/87	08/26/87
San Jose State	Napa Valley	8	09/03/87	09/17/87
San Jose State (2)	San Joaquin Delta	2	09/15/87	09/29/87
Sonoma State	Solano	22	11/02/87	11/16/87
UC Davis	Bakersfield	22	11/02/87	11/16/87
UC Davis	Yuba	5	04/08/87	04/22/87
UC Davis	Redwoods	1	11/05/87	11/19/87
UC Davis	Redwoods	1	03/20/87	04/03/87
UC Davis	San Diego State	9	07/21/87	08/04/87
UC Davis	Contra Costa	21	11/05/87	11/19/87
UC Davis	Sierra	5	04/03/87	04/18/87
UC Davis	Skyline	7	09/17/87	10/01/87
UC Davis	Moorpark	11	08/17/87	08/31/87
UC Davis	Modesto	2	07/27/87	08/10/87
UC Irvine	CSU, Sacramento	6	02/05/87	02/19/87
UC Los Angeles	Mt. San Antonio	1	06/16/87	06/30/87
UC Los Angeles	Diablo Valley	2	10/07/85	10/28/85
UC Los Angeles	West LA	14	01/15/87	01/29/87
UC Los Angeles	Citrus	9	09/05/86	09/19/86
UC Los Angeles	Glendale	28	03/04/86	03/25/86
UC Los Angeles	LA Valley	14	01/15/87	01/29/87
UC Los Angeles	Mt. San Antonio	26	11/13/85	12/04/85
UC Los Angeles	LA City	16	01/15/87	01/29/87
UC Los Angeles	LA Mission	12	01/15/87	01/29/87
UC Los Angeles	LA Harbor	14	01/15/87	01/29/87
UC Los Angeles	Marymount PV	33	05/18/87	06/01/87
UC Los Angeles	Sacramento City	11	01/15/86	02/05/86
UC Los Angeles	LA Pierce	14	01/15/87	01/29/87
UC Los Angeles	Golden West	4	11/12/85	12/03/85
UC Los Angeles	LA Southwest	12	01/15/87	01/29/87
UC Los Angeles	Rio Hondo	31	11/19/85	12/10/85
UC Los Angeles	East LA	14	01/15/87	01/29/87
UC Los Angeles	Fresno City	23	11/11/85	12/02/85
UC Los Angeles	LA Trade-Tech	13	01/15/87	01/29/87
UC Riverside (1)	Golden West	2	11/12/85	12/03/85
UC Riverside (2)	Golden West	2	03/17/87	03/31/87
UC San Diego	San Diego State	2	07/09/86	07/23/86
UC San Diego	Butte	11	03/04/86	03/25/86
UC San Diego	San Diego State	3	07/31/86	08/14/86
UC San Diego (2)	San Diego State	5	08/25/86	09/08/86
UC Santa Barbara	Bakersfield	4	11/02/87	11/16/87
UC Santa Barbara	Santa Rosa	2	02/17/87	03/03/87
UC Santa Barbara	Glendale	1	10/05/87	10/19/87
UC Santa Barbara (1)	Canada	2	10/13/86	10/27/86

OUTSTANDING REQUESTS FOR VERIFICATION - 12/1/87

APPENDIX C8

TO:	FOR:	# OF COURSES	MAILED:	RESP REQ?
UC Santa Barbara (1)	Diablo Valley	5	10/07/85	10/28/85
UC Santa Barbara (1)	Golden West	4	11/12/85	12/03/85
UC Santa Barbara (1)	Napa Valley	2	07/10/86	07/31/86
UC Santa Barbara (1)	West Valley	24	11/18/85	12/09/85
UC Santa Barbara (1)	Moorpark	39	07/10/86	07/31/86
UC Santa Barbara (1)	Orange Coast	3	11/15/85	12/06/85
UC Santa Barbara (1)	Ventura	36	07/10/86	07/31/86
UC Santa Barbara (1)	CPSU, SLO	10	11/18/85	12/09/85
UC Santa Barbara (1)	American River	18	10/03/85	10/24/85
UC Santa Barbara (2)	Orange Coast	2	07/10/86	07/31/86
UC Santa Barbara (2)	Napa Valley	2	08/12/86	08/26/86
UC Santa Barbara (2)	Golden West	2	07/10/86	07/31/86
UC Santa Barbara (2)	Moorpark	39	08/12/86	08/26/86
UC Santa Barbara (2)	West Valley	24	07/10/86	07/31/86
UC Santa Barbara (2)	CPSU, SLO	38	02/28/86	03/21/86
UC Santa Barbara (2)	American River	7	07/10/86	07/31/86
UC Santa Barbara (2)	Diablo Valley	5	07/10/86	07/31/86
UC Santa Barbara (2)	Ventura	36	08/12/86	08/26/86
UC Santa Barbara (3)	Orange Coast	2	08/12/86	08/26/86
UC Santa Barbara (3)	American River	7	08/12/86	08/26/86
UC Santa Barbara (3)	West Valley	24	08/12/86	08/26/86
UC Santa Barbara (3)	Golden West	2	08/12/86	08/26/86
UC Santa Barbara (3)	Diablo Valley	5	08/12/86	08/26/86
UC Santa Barbara (4)	West Valley	23	12/10/86	01/05/87
UC Santa Cruz	Sequoias	2	05/11/87	05/25/87
UC Santa Cruz	Sequoias	1	04/22/87	05/06/87
UC Santa Cruz	CSU, Hayward	3	09/17/87	10/01/87

APPENDIX D

The requirement, "articulation with at least one campus from the University of California system," has been removed from the criteria to qualify 32 of the courses in the California Articulation Number System. The criteria for the following courses is: "articulation with four public four-year campuses."

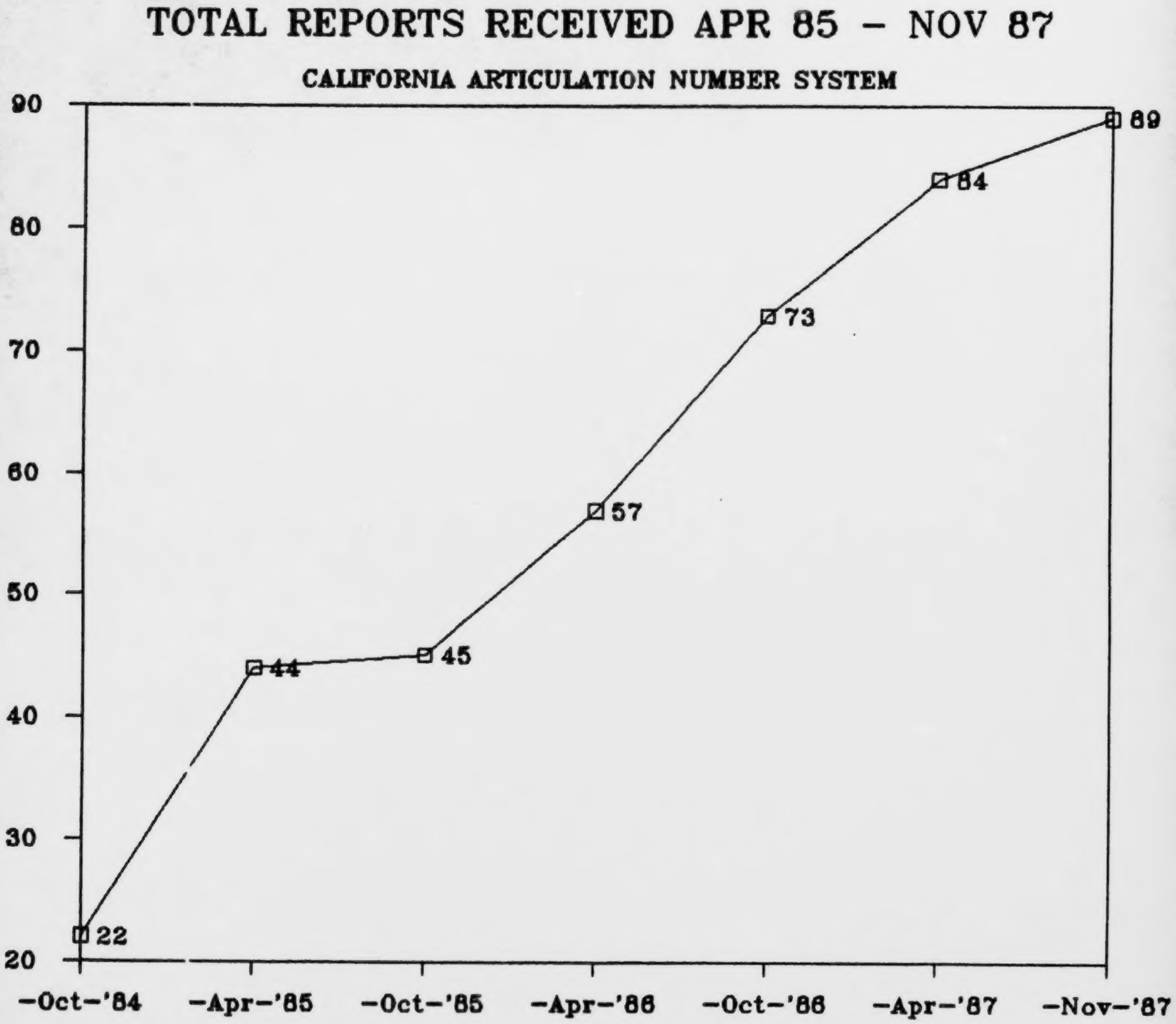
CAN AJ	2	Introduction, Administration of Justice
CAN AJ	4	Introduction, Law
CAN AJ	6	Introduction, Evidence
CAN AJ	8	Introduction, Investigation
CAN BUS	2	Financial Accounting
CAN BUS	4	Managerial Accounting
CAN BUS	6	Management Information Systems
CAN BUS	8	Introduction, Business Law
CAN CSCI	6	BASIC Programming
CAN CSCI	8	COBOL Programming
CAN GOVT	2	Introduction to Government
CAN H EC	8	Principles of Foods
CAN H EC	10	Principles of Clothing Construction
CAN H EC	12	Family Relationships
CAN H EC	14	Child Development
CAN H EC	16	Life Management
CAN H EC	18	Interior Design Fundamentals
CAN H EC	20	Fashion Selection
CAN H EC	22	Fasion Industry/Marketing
CAN HUM	2	Introduction, Humanities, Antiquity to Renaissance
CAN HUM	4	Introduction, Humanities, Renaissance to Present (modern)
CAN JOUR	2	News Reporting
CAN JOUR	4	Introduction, Mass Media
CAN MATH	2	Introduction, Math Reasoning
CAN MATH	4	Math for Elementary School Teaching
CAN MATH	8	Trigonometry
CAN MATH	12	Finite Mathematics, 1st Semester
CAN MATH	14	Finite Mathematics, 2nd Semester
CAN REC	2	Introduction to Recreation
CAN REC	4	Introduction to Recreation Leadership
CAN REC	6	Recreational Use of Natural Resources
CAN REC	8	Recreation-Environment and Park Soils Mgmt.

REQUESTS FOR VERIFICATION SUMMARY - November 1, 1987

CAMPUS:	11/1/85-10/31/86			11/1/86-10/31/87			OVERALL TOTALS		
	# OF REQUESTS	# OF RESPONSES	AVG # COURSES	# OF REQUESTS	# OF RESPONSES	AVG # COURSES	# OF REQUESTS	# OF RESPONSES	AVG # COURSES
CSC, Bakersfield	1	1	5	7	7	8	10	10	8
CSU, Chico	27	27	14	57	37	7	96	76	11
CSU, Dominguez Hills	2	2	6	25	23	6	30	28	9
CSU, Fresno	5	5	32	27	24	8	40	37	14
CSU, Fullerton	10	10	21	28	24	10	38	34	13
CSU, Hayward	10	10	7	38	37	9	54	43	9
Humboldt State	10	10	11	29	24	6	47	42	10
CSU, Long Beach	10	9	17	61	48	12	75	61	13
CSU, Los Angeles	5	5	20	32	27	6	42	37	9
CSU, Northridge	8	8	14	38	31	6	52	45	10
CSPU, Pomona	24	24	28	59	59	7	95	95	15
CSU, Sacramento	30	30	13	71	71	10	111	111	11
CSU, San Bernardino	2	2	27	2	2	21	6	6	18
San Diego State Univ.	16	16	14	48	48	6	75	75	9
San Francisco State Univ.	16	16	7	27	26	5	44	43	6
San Jose State Univ.	21	21	12	52	46	13	84	78	15
CPSU, San Luis Obispo	19	19	17	93	92	12	127	126	16
CSU, Stanislaus	2	1	3	10	6	2	17	12	8
Sonoma State	3	3	14	4	4	10	8	8	17
UC Berkeley	23	23	8	51	51	7	85	85	8
UC Davis	23	23	10	78	72	8	118	113	11
UC Irvine	26	26	15	35	34	8	66	65	12
UC Los Angeles	7	0	19	21	10	10	33	14	13
UC Riverside	8	7	17	8	7	13	16	14	15
UC San Diego	7	3	14	2	2	10	9	5	13
UC Santa Barbara	22	0	14	3	0	9	27	0	13
UC Santa Cruz	1	1	4	22	19	9	25	22	10
TOTALS:	343	307	15	928	831	9	1431	1295	12

Any articulation that has not been previously reported by a four-year campus is verified.

APPENDIX E1

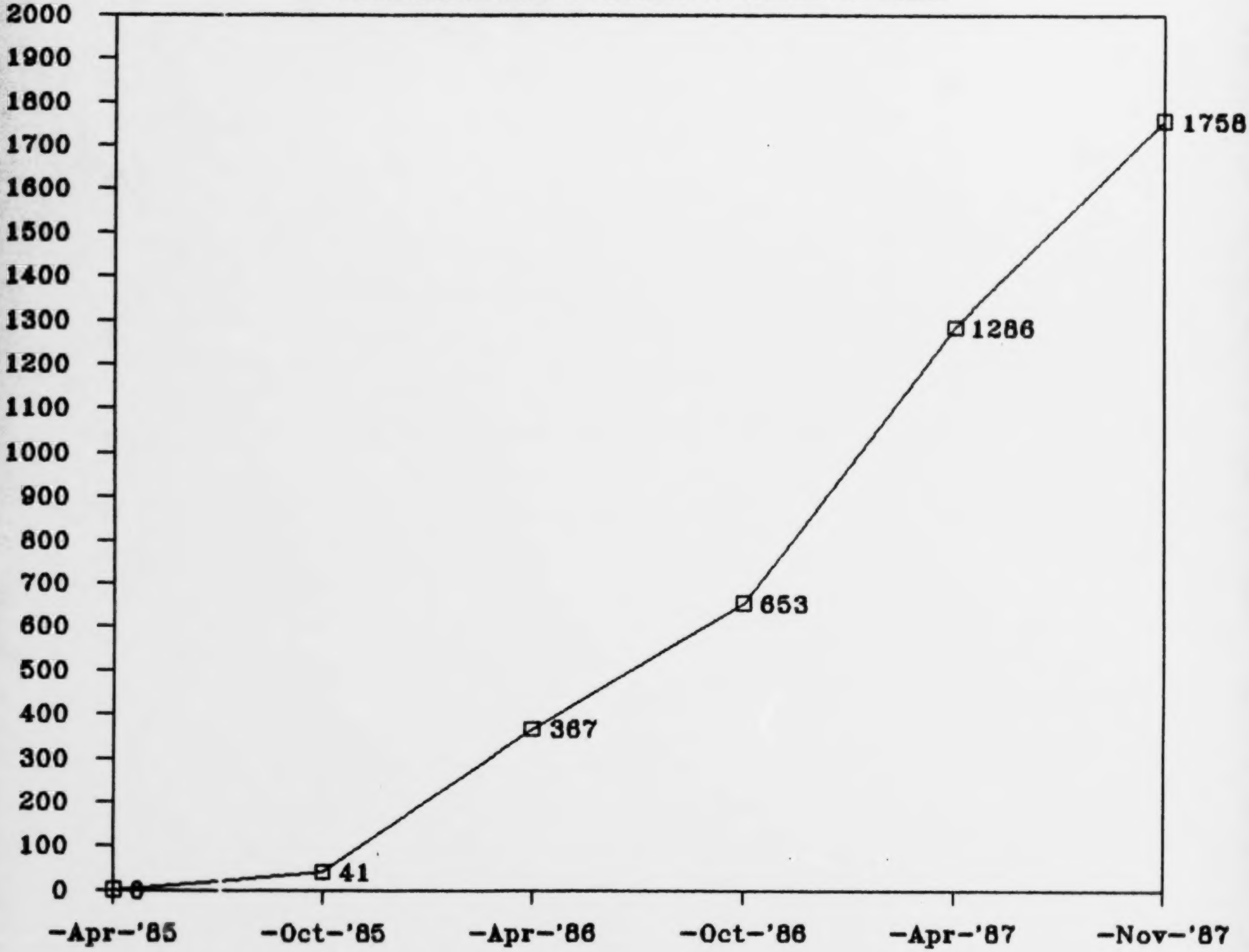


TOTAL REPORTS RECEIVED APR 85 - NOV 87

CALIFORNIA ARTICULATION NUMBER SYSTEM

TOTAL COURSES QUALIFIED APR 85 - NOV 87

CALIFORNIA ARTICULATION NUMBER SYSTEM



APPENDIX F1

CHANCELLOR'S OFFICE
GEORGE DEUKMEJIAN, Governor

CALIFORNIA COMMUNITY COLLEGES
1107 NINTH STREET
SACRAMENTO, CALIFORNIA 95814
(916) 445-8752

December 2, 1987

Mr. Duane Anderson
CAN Project
California State University
6000 J Street
Sacramento, CA 95819-2694

Dear Duane:

The following is the segmental report of the CAN Project from the California Community Colleges.

The California Articulation Number (CAN) Project continues to have the full support and endorsement of the California Community College Chancellor's Office. The CAN Project is a valuable tool for communicating course articulation information to students and counselors and has also become the catalyst for faculty dialogue between our segments. The CAN Office staff are to be congratulated for stimulating this discussion and action statewide.

As the 1986-87 Annual Report of the CAN Project reflects, the community colleges have been actively involved in qualifying courses for CAN. A continued frustration for the community colleges is the lack of qualified CAN courses in UC and CSU catalogs. CSU campuses are unable to qualify courses for CAN without articulation with at least one UC campus. The funding allocated by UC's Office of the President for staff support at UC Riverside and UC Davis is seen as a positive step in resolving this problem.

The CAN Project's success is dependent upon the amount of articulation that is in place and the priority given to articulation at the local campuses. The Chancellor's Office has and will continue to initiate and support activities to promote articulation. Last Spring, CSU, UC and the community colleges held nine regional conferences for articulation officers. A statement of the "Roles and Responsibilities of Articulation Officers" was developed and a draft White Paper outlining issues and problems of articulation was developed. The Roles and Responsibilities document will be brought as information to the Board of Governors in January and will be brought to the Board for action in March for adoption as a statewide guideline and model for community colleges.

Connie Anderson

Connie Anderson, Dean
Transfer Education and Articulation

cc: Ronn Farland, Acting Vice Chancellor
Academic Affairs

CAN Project

1987 Annual Report to CAN Office

University of California

During 1987, the University continued to work on the CAN project. Campuses were encouraged to expand their articulation efforts as much as possible, and to cooperate with the CAN System Office by verifying existing community college course articulation.

The issue of whether the University should fully participate in CAN was discussed further by faculty committees, and the following resolution was passed by the Academic Council at their May 13 meeting:

> The Academic Council urges the Office of the President to give increased priority to the urgent need to fund sufficient staff on at least two campuses so that articulation efforts leading to the assignment of California Articulation Numbers within public higher education may be expanded.

This resolution was made in response to concerns voiced by members of the CAN Coordinating Committee, and others involved with CAN, that CSU campuses were unable to qualify courses for CAN because there are presently no UC/CSU course articulation agreements.

UC Davis and UC Riverside were selected for this project, and Academic Senate representatives from those campuses met in the summer with Assistant Vice President Cox to discuss implementation. It was decided that Davis and Riverside would each need 1/2 FTE in order to do the required course articulation with CSU. The University has agreed to fund this project, as well as the CAN System Office, for the coming year.

CAN was discussed by the Council of Chancellors at their October meeting. Chancellors supported the Academic Council's resolution to fund two campuses to develop the course articulation required for CAN. They also agreed to look into the status of CAN-related efforts on their campuses, and to encourage increased cooperation in articulating and verifying courses for CAN.

Also during this year, UC faculty worked on other ways to simplify and improve articulation in the UC system. In May, the Academic Senate approved a policy of intercampus reciprocity for the satisfaction of breadth requirements. In addition, UC faculty are working in conjunction with the other segments to develop a transfer core curriculum.

CAN Progress Report - 1986-87
The California State University

The State University continues to support CAN actively. Nine campuses have qualified a total of over 90 courses for inclusion in the CAN project as of October, 1987, and it is anticipated that several additional campuses will come aboard soon.

After a thorough review of CSU campus CAN participation in June 1987, Chancellor Ann Reynolds communicated to all campus presidents her support for the project and encouraged additional CAN activity at the campus level. (See attached, ESSIR 87-34.)

The CSU statewide Academic Senate resolved to support CAN in 1986. At the local senate level, some campuses have been particularly responsive and have initiated intersegmental discussion about CAN. Additional efforts currently are underway with those campuses that have been slower to embrace the system. Chancellor's Office staff as well as Senate representatives are addressing this issue.

The CAN coordinating site at CSU, Sacramento has dedicated a great deal of time to visiting many community colleges, CSU campuses and UC campuses to explain and promote CAN. In the south, CSU, Fullerton has assumed active leadership in promoting CAN, and the South Coast Higher Education Council has just completed a thorough review of CAN activity among participating campuses.

Articulation among four-year institutions (CSU and UC) remains a critical obstacle to full implementation of CAN. Because of the relatively small cohort of students who transfer between these segments (only 792 CSU students transferred to UC in 1986), this level of intersegmental articulation has not received high priority. The current criteria for CAN participation requires the inclusion of at least one CSU and one UC campus. This criteria has slowed the CAN implementation process because of fundamental resource issues. CSU representatives are particularly encouraged by the recent action of UC to provide resources at UC, Davis and UC, Riverside to promote CAN within the UC system.

Because of the large number of transfers to CSU from community colleges and because the State University wishes to develop the project with all community colleges, a PCP has been submitted for inclusion in the 1988-89 budget that would fund articulation activity to support CAN at four of our largest transfer institutions. Currently seven CSU campuses receive 2,000 or more California Community College transfers annually.

CSU faculty are active participants in the intersegmental academic senate discussions to develop a transfer general education curriculum. We view this activity as a major step to ease and simplify transfer and articulation and are pleased with the progress made to date. It is our anticipation that agreement about a transfer curriculum will lead to clear understandings about course equivalencies among courses and that this effort, in turn, will have a salutary effect on the CAN project.

Attachments

SAM:ap:2466e

THE CALIFORNIA STATE UNIVERSITY
Office of the Chancellor
400 Golden Shore
Long Beach, California 90802-4275
(213) 590- 5547

APPENDIX F5

Code: ESSIR 87-34

Date: August 14, 1987

To: Presidents

From: W. Ann Reynolds, W Ann Reynolds
Chancellor

Subject: CSU Campus Participation in California Articulation Number Project

This is to request your support for the development and implementation of the California Articulation Number (CAN) project on your campus. Developed at CSU Sacramento in 1982, CAN is a cross reference system to identify transferable, lower division, introductory and preparatory courses commonly taught on two and four year campuses in California. CAN facilitates transfer and articulation among postsecondary educational segments and is built on current articulation practices. Written, faculty-approved articulation agreements provide the foundation for CAN and establish a network of articulated courses.

In 1983 the California Postsecondary Education Commission was directed by Senate Bill 851 to study the feasibility of a common course numbering system for California higher education. CPEC staff reviewed such systems across the country and ultimately recommended the CAN system, rather than a common course numbering system, because of its voluntary approach and relatively low cost.

- More -

Distribution:

Vice Presidents, Academic Affairs
Vice Presidents, Student Affairs
Deans/Directors, Admissions and Records
Directors, Relations with Schools and Colleges
Articulation Officers
Dr. Duane Anderson

Since the CPEC study, increased attention has been given to the importance of revitalizing the transfer function. The report of the Master Plan Review Commission calls for removing obstacles to transfer and developing other means of improving the rate of transfer such as development of a transfer core curriculum.

Following the CPEC report and recommendation, a statewide, intersegmental advisory committee was established and assigned responsibility for expediting the implementation of CAN in the University of California, the California State University and the California Community Colleges. Independent colleges and universities were also encouraged to participate. A statewide coordination center, which has been funded intersegmentally since 1986, was established at CSU Sacramento.

Unfortunately, segmental implementation of CAN is uneven. The community colleges have been the most active in submitting courses that qualify for CAN. Only about half of the CSU campuses have submitted even preliminary reports on a limited number of courses and a few campuses have qualified several courses awaiting only the participation of at least one UC campus. The University of California has been slower to embrace the project. However, there are indications of renewed interest in the UC.

I hope you will encourage your campus articulation officers and academic departments to collaborate with representatives of local community colleges and UC campuses to implement this project. It is a cost effective articulation mechanism that will facilitate the implementation of other initiatives to strengthen the transfer function such as the transfer core curriculum. We anticipate that CPEC will review the level of CAN participation in the public postsecondary segments later this year. It is important that CSU campuses be able to demonstrate strong support for this important articulation project. It has been endorsed by the statewide academic senates of the CSU and the community colleges and the UC senate recently has supported systemwide efforts to implement CAN.

The CAN project and other articulation policies and practices will be discussed in the Executive Council this fall. In the interim, if you or your staff have questions or wish to request more information about CAN, please contact either Dr. Stephanie Adams McGraw, Deputy Dean, Educational Support Services and Institutional Relations, in this office at (ATSS) 535-5547 or (213) 590-5547, or Dr. Duane Anderson, CSU Sacramento at (ATSS) 433-6724 or (916) 278-6724.

WAR/bn:2362e

CSU CAMPUS SURVEY
October 1987

In compliance with the implementation plan, the nineteen CSU campuses were surveyed to determine "the number of new and continuing institutions participating in the number system" and to "inventory the status of course and program agreements." Articulation with four-year campuses is necessary to participate in the number system. A summary follows.

1. Thirteen campuses responded.
2. Of the thirteen responding campuses, 10 stated that they currently have, or are developing, written faculty-approved articulation with four-year campuses and intend to submit reports for eventual participation in the California Articulation Number System.
3. Eleven campuses stated that articulation was either current or in the process of being updated with primary feeder campuses.
4. Seven campuses have specific review schedules; six campuses do not.
5. Regarding "problem campuses," five campuses did not respond to the question; four campuses responded "none"; one responded "many CSU's slow to respond"; three campuses responded "UC."
6. Responses to the question, "What (if any) are the basic impediments to your campus articulation program?" were: Ten campuses said "lack of time and staff"; one campus said "UC"; one campus said "old course outlines"; and one campus did not respond to the question.

A Guide

CAN

CALIFORNIA ARTICULATION NUMBER SYSTEM

CAN SYSTEM OFFICE
650 University Avenue, Suite 102D
Sacramento, CA 95825

Sponsored by The California State University · California Community Colleges
The University of California · California Postsecondary Education Commission

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Introduction

Every year more than 40,000 community college students transfer to the California State University and the University of California. It is not uncommon for one of the 107 community colleges to transfer at least one student to each of the 27 public four-year institutions. Altogether there are more than 200 institutions of higher education in California. A quick glance at the catalogs, course numbering systems, and admissions policies and processes involved in moving from college to college illustrates the potential for confusion and misinterpretations.

Concern over the complexities facing transfer students and the declining rate of transfer led to Legislative action in 1983. Senate Bill 851 requested that the California Postsecondary Education Commission (CPEC) "develop a plan for a course numbering system to be used by public postsecondary educational institutions." The study was completed in December, 1984, and in January, 1985, the Commission recommended that the Legislature and Governor fund the implementation of the California Articulation Number (CAN) system.

The CAN system is not a common numbering system, in that each campus retains its own numbering system, but it provides more structure and consistency than current systems (see Appendices A1 and A2). The CAN system is simple, yet functional and flexible. CAN uses a cross-reference identification number for 108 semester and 53 quarter courses commonly taught on two- and four-year campuses. Despite the relatively small number of courses included, CAN covers more than 50 percent of the courses presented by the "typical" transfer student.

CAN is based on faculty-approved articulation agreements. Faculty exercise quality control and maintain the integrity of the system through the communication and cooperation inherent in an active articulation program. Students, advisors, faculty and evaluators can rely on acceptance of identically numbered CAN courses at participating campuses and plan accordingly.

The California Articulation Number (CAN) system was started in 1982 by volunteers from the three segments of public higher education to simplify the transfer process by de-mystifying course numbering systems and increasing the articulation of courses. Course-to-course articulation is one of many types of articulation. It is basic to the transfer process because students must know which courses to complete at feeder schools to meet specific degree requirements at receiving institutions. However desirable, it is unrealistic for two-year colleges to articulate a significant part of their curriculums with all four-year institutions. A comprehensive, understandable and credible articulation system adequate to accommodate the numbers of students and the diversity of programs in California is needed.

CPEC has recommended that the three public segments share the cost of a CAN Coordinating Office, to be temporarily housed at CSU, Sacramento during 1985-86. A permanent site and statewide affiliation are under study. A Coordinating Committee composed of representatives of the three public segments has been formed to guide the development of CAN. Private institutions have been invited to participate.

This Guide explains what the CAN system is, how it works, and how campuses may participate. Questions may be addressed to the CAN Project Office or to any member of the Coordinating Committee. The success of the CAN system will depend upon intersegmental cooperation, effective communication, and good faith efforts to meet the needs of our students.

What is Course Articulation?

Course articulation, for purposes of the CAN system, is defined as the written agreement between two institutions to accept a specific course completed on a sending campus to meet a specific course requirement on a receiving campus. Course articulation agreements, approved by faculty, authorize the acceptance of one course "in lieu of" another for transferring students.

The articulation process originates in several ways, *e.g.*, through counselor and faculty conferences, counselor and student appeals, curricular and catalog changes, or at the initiation of insightful articulation personnel. Similarly, articulation officers and faculty may reach agreements in a variety of ways: by (1) a comprehensive comparison of course descriptions; (2) a comparison of outlines, texts, experiments, topics, class emphasis or chronological coverage; (3) comparison of skills, competencies or outcomes; or all of these and perhaps additional factors unmentioned. Faculty participation in the processes and outcomes is essential.

While course articulation is time consuming and sometimes difficult, it is vital to the transfer function. To be useful, the agreements must be published, readily available and reliable. The "official" agreements are used extensively by counselors, faculty, staff and students to plan an appropriate program for prospective transfer students. The agreements ensure that these courses will satisfy specific degree requirements. Course articulation agreements on individual courses designated as prerequisites to a degree program (major) form the foundation of comprehensive transfer credit agreements (Appendices D1, D2, D3) and, hopefully, the basis for freshman and sophomore registration plans.

What is the California Articulation Number (CAN) System? How Will It Work?

The California Articulation Number (CAN) System provides a cross-reference course identification number for 108 semester courses and 53 quarter courses which are transferable, lower division, introductory courses commonly taught on college campuses. The basic premise of CAN is that identically numbered CAN courses are acceptable "in lieu of" each other. While the courses are comparable, they are not necessarily identical. Campuses participating with specific CAN courses agree to accept identically-numbered CAN courses even though they may not have a direct articulation agreement on those courses. Campuses are committed to accept only courses for which they list a CAN in their publications. The extent of participation may vary from one course to 108 courses. The CAN system eliminates the necessity for every two-year campus to negotiate agreements with every four-year campus *or* for every four-year campus to negotiate with every other two- and four-year campus.

This is the way the system is intended to work: If CSU, Hayward, CSU, Chico, San Francisco State and UC Berkeley each had faculty-approved articulation agreements with Diablo Valley College to accept DVC's Introductory College English course, then the Diablo Valley College course would be accepted by all campuses qualified and committed to participate in the CAN system for the Introductory College English course.

A concerted effort has been made to increase course articulation between four-year campuses, even though relatively fewer students transfer between four-year schools. The network of articulation agreements between four-year campuses, between northern and southern campuses and from region to region will strengthen quality control in the CAN qualification processes. The faculty and administrative approval processes required to qualify a course to use a California Articulation Number ensure this quality control.

Each course carries a number within each discipline, *e.g.*, CAN ENGL 2, CAN MATH 2. Semester courses have been assigned EVEN numbers. An EVEN number is also assigned to a quarter course when unit values are equal when converted or if it is accepted "in lieu of" a semester course. Other quarter unit courses are assigned ODD numbers.

Examples: If a 3 semester unit Physical Anthropology course is acceptable "in lieu of" a 4 quarter unit Physical Anthropology course, and vice versa, the courses are given the same CAN: CAN ANTH 2.

The following statements and formulas explain the principles of acceptance between semester and quarter-term courses that are presented as a year-long sequence. The symbol ∼ should be read "acceptable in lieu of."

Each campus retains its own course number, prefix, and title. The CAN (*e.g.*, CAN ENGL 2) is simply added to schedules of classes, catalogs, and other publications as needed and appropriate (see Appendix E or G). A school participating in the CAN system may identify a CAN course in their publications with the certainty that *it will be accepted in lieu of an identically numbered CAN course at any other participating campus anywhere in California.*

SEMESTER	to	QUARTER
The first semester course is	~	the first quarter course
The second semester course is	~	the third quarter course
The first and second semester courses are	~	the first, second **and** third quarter courses

or

QUARTER	to	SEMESTER
The first quarter course is not	~	the first semester course
The first and second quarter courses are	~	the first semester course
The second and third quarter courses are	~	the second semester course
The first, second ***and*** third quarter courses are	~	the first and second semester courses

An example of the California Articulation Number system for a one-year course taught over 3 quarters or 2 semesters would be:

Quarter Terms		Semester Terms
CAN CHEM 1 CAN CHEM 3 CAN CHEM 5	~	CAN CHEM 2 CAN CHEM 4

Who Directs CAN?

The California Postsecondary Education Commission (CPEC) study recommending CAN proposed the establishment of a coordinating committee consisting of representatives appointed by the California Community Colleges, the University of California, the California State University and the Association of Independent California Colleges and Universities. The three public segments have each appointed one person from their central offices, two persons (North and South) active in articulation work, and one person representing their faculties and Academic Senates (see Appendix I). The independent colleges have been invited to participate. CPEC is represented by one person.

The Coordinating Committee will review, evaluate, modify and/or originate CAN policies; solicit and respond to proposals related to CAN; and coordinate, communicate and represent CAN activities with other constituencies. The Committee will submit an annual report to CPEC and other interested parties.

Several recommendations have already been proposed by the Coordinating Committee:

1. Each campus should appoint an articulation officer to take responsibility, with strong support from the campus faculty senates and administrations, for initiating a variety of necessary and positive articulation activities; for serving faculty and students in on-campus and off-campus articulation efforts; monitoring segmental and intersegmental developments; and communicating these and other articulation-related information to their campuses;
2. Articulation officers should be closely involved with campus curriculum review mechanisms to reduce possible confusion and negative effects of major curriculum or course changes on the transfer student and feeder schools;
3. The CAN Project Office will solicit a formal commitment to participate in the CAN system from each campus through the signature of the Chief Executive Officer, the Chair of the Academic or Faculty Senate, and the campus Articulation Officer.

Proposals regarding the CAN system may be submitted, with appropriate rationales, to the CAN Project Office. The Coordinating Committee will study, consult, discuss, and act on all suggestions.

Criteria to Qualify Courses for the CAN System

Criteria to qualify a course for inclusion in the California Articulation Number system:

Two-Year Institutions: Accredited public or private colleges offering associate degrees and baccalaureate-level transfer courses.

Negotiate written, faculty-approved articulation agreements, ***on each course*** to be included in the CAN system, with 4 public four-year California colleges and/or universities to include at least one University of

California campus and at least one California State University campus.

It is recommended that two-year institutions establish articulation agreements with the four-year public institutions where most of their students transfer.

Four-Year Institutions: Accredited public or private institutions granting baccalaureate degrees.

Negotiate written, faculty-approved articulation agreements, ***on each course*** to be included in the CAN system, with 4 four-year accredited institutions to include:

1. Articulation with at least one campus from the California State University system;
2. Articulation with at least one campus from the University of California system.
3. Articulation may include one institution from the private/independent segment to meet the minimum of 4 schools.

If a course of study is not commonly offered within either the CSU or the UC system, the requirement to include articulation with at least one campus from that segment is waived. Lower division courses in Business Administration and Administration of Justice, which are not commonly offered within the UC system, do not require a University of California campus agreement; however, agreements with 4 four-year campuses are still required.

Campuses may participate in CAN with any number of courses which have qualified, as stated above, by submitting a formal "Statement of Commitment" to the CAN Project Office.

Steps to Qualify for Participation in the California Articulation Number System

1. **Develop** written, faculty-approved articulation agreements on each of the prospective CAN courses between your campus and appropriate four-year institutions as described on Page 21.

   Verify the accuracy of your agreements. Where agreements have been in place for several years, it would be advisable to be certain course numbers are correct, the courses are still acceptable and both campuses submit reports of the same agreements.

2. **Report** articulated courses ***using the form "Appendix F"*** according to the instructions on Page 8.

   a) To expedite the recording process, please use the form provided. Duplicate the form to use separate forms for each academic discipline;
   b) Report only **transferable** courses currently designated for California Articulation Numbers (CAN's)—see Appendix C;
   c) Use single course listings only. Multiple course listings should be avoided;
   d) Upper division courses are not included;
   e) Four-year campuses must report course articulation with both 2- and 4-year campuses so that the 2-year campuses may qualify for participation;
   f) Send the reports to the CAN Project Office.

3. The CAN Project Office will then:

   a) Acknowledge receipt of reports;
   b) Record the articulated courses reported;
   c) Contact campuses to resolve any problems;
   d) Verify that articulation agreements are mutually agreed upon, even though the other campus may not intend to participate in CAN;
   e) Determine that criteria to participate have been met;
   f) Send each campus a list of courses that qualify to use a California Articulation Number;
   g) Send a "Statement of Commitment" to participate in the CAN System for campus approvals. This should be signed by the Chief Executive Officer (or designee), the Academic Senate or Faculty Chair, and the Articulation Officer and returned to the CAN Project Office. The Statement of Commitment will stand until officially withdrawn.

4. The signed Statement of Commitment indicates a campus will accept identically-numbered CAN courses in lieu of their CAN courses. The courses should be honored as "in lieu of" until withdrawn from catalogs, course schedules, etc.

5. **Then,** the California Articulation Numbers should be widely publicized to the campus community. They should be listed in catalogs and other publications along with an explanation of the System (see Appendices E and G). All pages in this Guide may be reproduced and distributed.

Preparation and Submission of Reports

AFTER your written, faculty-approved articulation agreements are in place, (Step 1—Page 23), prepare your report using the established format (Appendix F):

a. Duplicate Appendix F1, F2, F3 and F4 as appropriate. Please use different pages for each discipline. Note F2 and F4 list CAN courses from 21-40;
b. Enter your campus name;
c. Enter the CAN discipline, *e.g.*, Mathematics, English;
d. Enter your discipline title;
e. Enter your campus course numbers in the blocks below the CAN blocks;
f. Enter the names of the four-year campuses with which you have articulation agreements. Two-year campuses: please list only four-year campus agreements using Appendices F1 and F2. Four-year campuses: list four-year campus agreements using Appendices F1 and F2; please list agreements with two-year campuses using Appendices F3 and F4;
g. Enter the course numbers and prefixes for the articulated courses in the appropriate columns;
h. Enter the title, signature and telephone number of the campus official submitting the CAN Report.

If you have any questions, please call (916) 454-6957.

Send your signed report to:

California Articulation Number Project Office
6000 J Street
Sacramento, CA 95819

Reports will be received in the CAN Office throughout the year; however, March 1 of each year is the deadline for campuses to submit articulation reports to qualify for inclusion in the CAN system publications for the following academic year.

In the "Plan for Implementing the California Articulation Number System," CPEC proposed to the Legislature that "the CAN Coordinating Committee report through the Commission by November 15 each year on the number of (1) new and continuing institutions participating in CAN, (2) new articulation agreements updated in CAN, and (3) any new CAN disciplines and course numbers added during the past year," as well as other factors affecting the implementation of the CAN System.

APPENDIX A

INTRODUCTORY COURSE NUMBERS IN CSU

Campus	English Comp	Spanish	Calculus	Intermed Algebra	Accounting	Elementary Statistics	U.S. History	Western Civ	General Intro Coll Chemistry
CSC, Bakersfield	Engl 100	Span 101	Math 201	Math 105	BPA 201	Math 140	Hist 231,232	Hist 202	Chem 201
CSU, Chico	Engl 1	Span 1	Math 7A	Math 3	BA 15	Math 5A	Hist 50	Hist 1A	Chem 1A
CSU, Dominguez Hills	Engl 100	Span 110	Math 110	Math 6	BA 130	Math 150	Hist 101	Hist 110	Chem 110
CSU, Fresno	Engl I	Span 1A	Math 75	Math 4	Acct 1B	Math 11	Hist 11,12	Hist I	Chem 1A
CSU, Fullerton	Engl 100,101	Span 101	Math 150A	Math 302	Acct 201A	Math 120	Hist 170A,170B	Hist 110A	Chem 100 & 100L
CSU, Hayward	Engl 1001	Span 1401	Math 1304	Math 1100	Acct 2251	Stat 1000	Hist 1101,1102	Hist 1011	Chem 1101
Humboldt State Univ	Engl I	Span 1A	Math 2A	Math D	Acct 1A	Math 25	Hist 1	Hist 4	Chem 1A
CSU, Long Beach	Engl 100	Span 101A	Math 115	Math 100	Acct 201	Math 180	Hist 171A,B	Hist 131	Chem 111A
CSU, Los Angeles	Engl 190	Span 100A	Math 206	Math 101	BA 200A	Math 274	Hist 202,AB	Hist 101A	Chem 101
CSU, Northridge	Engl 155	Span 101	Math 150A	Math 102	BA 220A	Math 140	Hist 270,271	Hist 150	Chem 101
CSPU, Pomona	Engl 104	Span 101	Math 114	Math 105	Acct 124	Stat 107	Hist 201,202	Hist 101	Chem 104
CSU, Sacramento	Engl 1A	Span 1A	Math 30	Math 11	BA I	Stat I	Hist 17A,B	Hist 4	Chem 1A
CSC, San Bernardino	Engl 101	Span 101	Math 200	Math 311	Adm 306	Math 350	Hist 200,201	Hist 322	Chem 205
San Diego State Univ	Engl 100	Span 101	Math 150	Math 103	BA 210A	Math 250	Hist 110A	Hist 105	Chem 200
San Francisco State Univ	Engl 114	Span 101	Math 231	Math 104	BA 100	Math 124	Hist 120,121	Hist 110	Chem 111
San Jose State Univ	Engl 1A	Span 1A	Math 30	Math 7	BA 20	Stat 115A	Hist 20A,B	Hist 10A	Chem 1A
CPSU, San Luis Obispo	Engl 104	Span 101	Math 141	Math 113	Acct 221	Stat 211	Hist 201	Hist 101	Chem 121
CSC, Sonoma	Engl 101A	Span 101	Math 110	Math 300	Mgmt 230	Math 165	Hist 251,252	Hist 201	Chem 115A
CSC, Stanislaus	Engl 1003	Span 1010	Math 1410	Math 1050	BA 2110	Math 1600	Hist 2600	Hist 1010	Chem 1100
Number of different Numbers	11	8	16	18	19	18	18	16	14

Misinterpretations regarding first course or introduction course are possible.

February 3, 1984

NOTE: COURSES LISTED ABOVE ILLUSTRATE THE DIVERSE NUMBERING SYSTEM.

APPENDIX A2

A CAN* SYSTEM CAN HELP ALL

CAN*	BIOLOGICAL SCIENCE	CSUS	CSU CHICO	SF STATE	ARC	SCC	CRC	SIERRA	CONTRA COSTA	DVC	LOS MEDANOS	SAN JOAQUIN DELTA	SANTA ROSA	SHASTA	SOLANO	YUBA
BIOL 1	Basic Concepts	10	1 or 8	---	1A	1A	1A	1	110	102	---	1	1C	Bio. 1	2	1
BIOL 2	Animal Biology	11	10	220	3	3	3	Zoo. 1	170	130	20TG	Zoo. 1	1A	Zoo. 1	3+4	2
BIOL 3	Plant Biology	12	9	200	2	2	10 B=11 A+B=12	Bot. 1	150	131	21T	Bot. 1	Bot. 1	Bot. 1	30	3
BIOL 4	Human Biology	20	2	100	16	--	--	Anat.+ Phys.12	118	116	30T or 10TG	11	11	5A	12	--
BIOL 5	Human Anatomy	22	3	328	25+	7 or 8A-B	--	Anat.25	132	129	40T	Anat. 1	Anat.1	Anat. 1	1	4

* CAN: California Articulation Number

NOTE: Courses listed above illustrate the diverse numbering system.

June 1982

APPENDIX B

Academic Disciplines/Departments:	*CAN Course Prefix* *
Admin. of Justice/Criminal Justice/Law Enforcement/Community Service	AJ
Anthropology	ANTH
Art	ART
Biology/Biological Science/Zoology/Anatomy/Botany	BIOL
Business/Accounting/Data Processing/Math/Computer Programming	BUS
Chemistry	CHEM
Computer Science/Data Processing/Math	C SCI
Drama/Theatre Arts/Dramatic Arts	DRAM
Economics/Business	ECON
Engineering	ENGR
English/Language	ENGL
Geography	GEOG
Geology/Earth Science	GEOL
Government/Political Science	GOVT
History	HIST
Home Economics/Textiles/Family and Consumer Science/Art	H EC
Humanities/History	HUM
Journalism/Mass Comm./CICS: Center for Info. and Comm. Studies/English	JOUR
Math/Statistics/Psychology/Business	MATH
Music	MUS
Philosophy	PHIL
Physics	PHYS
Psychology	PSY
Recreation and Leisure Studies/Recreation/Physical Education	REC
Sociology	SOC
Speech/Communication Studies/Communication Arts/Rhetoric	SPCH
Statistics	STAT

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*CAN prefix abbreviations are based upon the titles of the departments in which the courses are most *commonly* taught.

APPENDIX C

LIST OF COURSES USED IN CAN SYSTEM CAN PREFIXES—ASSIGNED NUMBERS

(Rev. 7/85)

CAN Prefix	CAN	DEPARTMENT(S) Course Title(s)
AJ		**CRIMINAL JUSTICE/ADMINISTRATION OF JUSTICE/ LAW ENFORCEMENT/COMMUNITY SERVICE**
CAN AJ	1	
CAN AJ	2	Introduction, Administration of Justice
CAN AJ	3	
CAN AJ	4	Introduction, Law
CAN AJ	5	
CAN AJ	6	Introduction, Evidence
CAN AJ	7	
CAN AJ	8	Introduction, Investigation
ANTH		**ANTHROPOLOGY**
CAN ANTH	1	
CAN ANTH	2	Introduction, Physical Anthropology
CAN ANTH	3	
CAN ANTH	4	Introduction, Cultural Anthropology
ART		**ART**
CAN ART	1	
CAN ART	2	Art Survey, Stone Age to Middle Ages
CAN ART	3	
CAN ART	4	Art Survey, Renaissance to Present
CAN ART	5	
CAN ART	6	Introduction, Ceramics
CAN ART	7	
CAN ART	8	Beginning Drawing
CAN ART	9	
CAN ART	10	Beginning Painting
CAN ART	11	
CAN ART	12	Beginning Sculpture
BIOL		**BIOLOGY/BIOLOGICAL SCIENCE/ZOOLOGY/ ANATOMY/BOTANY**
CAN BIOL	1	
CAN BIOL	2	Introduction, Basic Biology (for majors)
CAN BIOL	3	
CAN BIOL	4	Animal Biology
CAN BIOL	5	
CAN BIOL	6	Plant Biology
CAN BIOL	7	
CAN BIOL	8	Human Biology
CAN BIOL	9	
CAN BIOL	10	Anatomy
BUS		**BUSINESS/ACCOUNTING/DATA PROCESSING/ MATH/ COMPUTER PROGRAMMING**
CAN BUS	1	Financial Accounting, 1st quarter of year sequence
CAN BUS	2	Financial Accounting, 1st semester of year sequence
CAN BUS	3	Financial Accounting, 2nd quarter of year sequence
CAN BUS	4	Managerial Accounting, 2nd semester of year sequence
CAN BUS	5	Managerial Accounting, 3rd quarter of year sequence
CAN BUS	6	Management Information Systems (role of systems in areas of business; includes procedural language)
CAN BUS	7	
CAN BUS	8	Introduction, Business Law

CAN Prefix	CAN	DEPARTMENT(S) Course Title(s)	
CHEM		**CHEMISTRY**	
CAN CHEM	1	Chemistry for Science Majors, 1st quarter of year sequence	w/lab
CAN CHEM	2	Chemistry for Science Majors, 1st semester of year sequence	
CAN CHEM	3	Chemistry for Science Majors, 2nd quarter of year sequence	
CAN CHEM	4	Chemistry for Science Majors, 2nd semester of year sequence	
CAN CHEM	5	Chemistry for Science Majors, 3rd quarter of year sequence	
CAN CHEM	6	Chemistry, Non-Science Majors, 1st semester of year sequence	
CAN CHEM	7	Chemistry, Non-Science Majors, 1st quarter of year sequence	
CAN CHEM	8	Chemistry, Non-Science Majors, 2nd semester of year sequence	
CAN CHEM	9	Chemistry, Non-Science Majors, 2nd quarter of year sequence	
CAN CHEM	10		
CAN CHEM	11	Chemistry, Non-Science Majors, 3rd quarter of year sequence	
C SCI		**COMPUTER SCIENCE/DATA PROCESSING**	
CAN C SCI	1		
CAN C SCI	2	Introduction, Computer Science (comprehensive concepts course for majors in Computer Science)	
CAN C SCI	3		
CAN C SCI	4	FORTRAN Programming	
CAN C SCI	5		
CAN C SCI	6	BASIC Programming	These courses are intended for major preparation
CAN C SCI	7		
CAN C SCI	8	COBOL Programming	
CAN C SCI	9		
CAN C SCI	10	Assembly Programming	
CAN C SCI	11		
DRAM		**THEATRE ARTS/DRAMA/DRAMATIC ARTS**	
CAN DRAM	1		
CAN DRAM	2	History of Theatre, Greece to Restoration	
CAN DRAM	3		
CAN DRAM	4	History of Theatre, Restoration to Present	
CAN DRAM	5		
CAN DRAM	6	Beginning Voice	
CAN DRAM	7		
CAN DRAM	8	Beginning Acting (for Majors)	
CAN DRAM	9		
CAN DRAM	10	Lighting	
ECON		**ECONOMICS/BUSINESS**	
CAN ECON	1		
CAN ECON	2	Introduction, Macro Economics	
CAN ECON	3		
CAN ECON	4	Introduction, Micro Economics	
ENGR		**ENGINEERING**	
CAN ENGR	1		
CAN ENGR	2	Introduction, Design Practice: Graphics	
CAN ENGR	3		
CAN ENGR	4	Engineering: Materials	
CAN ENGR	5		
CAN ENGR	6	Engineering: Circuit Analysis	
CAN ENGR	7		
CAN ENGR	8	Engineering: Analytic Mechanics, Statics	
ENGL		**ENGLISH/LANGUAGE**	
CAN ENGL	1	Introduction, College Comp., 1st quarter of year sequence	
CAN ENGL	2	Introduction, College Comp., 1st semester of year sequence	
CAN ENGL	3	Introduction, College Comp., 2nd quarter of year sequence	
CAN ENGL	4	Introduction, College Comp. and Literature, 2nd semester of year sequence	
CAN ENGL	5	Introduction, College Comp., 3rd quarter of year sequence	
CAN ENGL	6	Creative Writing	
CAN ENGL	7	Introduction, British Literature, 1st quarter of year sequence	
CAN ENGL	8	Introduction, British Literature, 1st semester of year sequence	

CAN Prefix	CAN	DEPARTMENT(S) Course Title(s)
CAN ENGL	9	Introduction, British Literature, 2nd quarter of year sequence
CAN ENGL	10	Introduction, British Literature, 2nd semester of year sequence
CAN ENGL	11	Introduction, British Literature, 3rd quarter of year sequence
CAN ENGL	12	
CAN ENGL	13	Introduction, American Literature, 1st quarter of year sequence
CAN ENGL	14	Introduction, American Literature, 1st semester of year sequence
CAN ENGL	15	Introduction, American Literature, 2nd quarter of year sequence
CAN ENGL	16	Introduction, American Literature, 2nd semester of year sequence
CAN ENGL	17	Introduction, American Literature, 3rd quarter of year sequence
CAN ENGL	18	Introduction, Fiction
CAN ENGL	19	
CAN ENGL	20	Introduction, Poetry
CAN ENGL	21	
CAN ENGL	22	Introduction, Drama
GEOG		**GEOGRAPHY**
CAN GEOG	1	
CAN GEOG	2	Introduction, Physical Geography
CAN GEOG	3	
CAN GEOG	4	Introduction, Cultural Geography
GEOL		**GEOLOGY**
CAN GEOL	1	
CAN GEOL	2	Introduction, Physical Geology w/lab
CAN GEOL	3	
CAN GEOL	4	Historical Geology
GOVT		**POLITICAL SCIENCE/GOVERNMENT**
CAN GOVT	1	
CAN GOVT	2	Introduction to Government Meets State law requirement for U.S. Constitution and State and Local government.
HIST		**HISTORY**
CAN HIST	1	Survey of Western Civ. (early), 1st quarter of year sequence
CAN HIST	2	Survey of Western Civ. (early), 1st semester of year sequence
CAN HIST	3	Survey of Western Civ. (early), 2nd quarter of year sequence
CAN HIST	4	Survey of Western Civ. (modern), 2nd semester of year sequence
CAN HIST	5	Survey of Western Civ. (modern), 3rd quarter of year sequence
CAN HIST	6	
CAN HIST	7	U.S. History to 1865, 1st quarter of year sequence
CAN HIST	8	U.S. History to 1865, 1st semester of year sequence
CAN HIST	9	U.S. History to 1865, 2nd quarter of year sequence
CAN HIST	10	U.S. History, 1865-Present, 2nd semester of year sequence
CAN HIST	11	U.S. History, 1865-Present, 3rd quarter of year sequence
H EC		**HOME ECONOMICS/TEXTILES/FAMILY AND CONSUMER SCIENCE/ART**
CAN H EC	1	
CAN H EC	2	Nutrition
CAN H EC	3	
CAN H EC	4	Introduction, Design
CAN H EC	5	
CAN H EC	6	Introduction, Textiles
CAN H EC	7	
CAN H EC	8	Introduction, Food Preparation
CAN H EC	9	
CAN H EC	10	Clothing
CAN H EC	11	
CAN H EC	12	Family Development
CAN H EC	13	
CAN H EC	14	Young Child

CAN Prefix	CAN	DEPARTMENT(S) Course Title(s)
HUM		**HUMANITIES/HISTORY**
CAN HUM	1	Introduction, Humanities, 1st quarter of year sequence
CAN HUM	2	Introduction, Humanities, Antiquity to Renaissance, 1st semester of year sequence
CAN HUM	3	Introduction, Humanities, 2nd quarter of year sequence
CAN HUM	4	Introduction, Humanities, Renaissance to Present (modern), 2nd semester of year sequence
CAN HUM	5	Introduction, Humanities, 3rd quarter of year sequence
JOUR		**JOURNALISM/MASS COMMUNICATION/CICS: CENTER FOR INFORMATION AND COMMUNICATION STUDIES/ENGLISH**
CAN JOUR	1	
CAN JOUR	2	News Reporting
CAN JOUR	3	
CAN JOUR	4	Introduction, Mass Media
MATH		**MATHEMATICS/STATISTICS/PSYCHOLOGY/BUSINESS**
CAN MATH	1	
CAN MATH	2	Introduction, Math Reasoning (math concepts and reasoning)
CAN MATH	3	
CAN MATH	4	Math for Elementary School Teaching
CAN MATH	5	
CAN MATH	6	Intermediate Algebra
CAN MATH	7	
CAN MATH	8	Trigonometry
CAN MATH	9	
CAN MATH	10	College Algebra
CAN MATH	11	Finite Mathematics, 1st quarter of year sequence
CAN MATH	12	Finite Mathematics, 1st semester of year sequence
CAN MATH	13	Finite Mathematics, 2nd quarter of year sequence
CAN MATH	14	Finite Mathematics, 2nd semester of year sequence
CAN MATH	15	Finite Mathematics, 3rd quarter of year sequence
CAN MATH	16	Pre-Calculus
CAN MATH	17	Calculus, 1st quarter of year sequence
CAN MATH	18	Calculus, 1st semester of year sequence
CAN MATH	19	Calculus, 2nd quarter of year sequence
CAN MATH	20	Calculus, 2nd semester of year sequence
CAN MATH	21	Calculus, 3rd quarter of year sequence
CAN MATH	22	Calculus, 3rd semester course
CAN MATH	23	Calculus, 4th quarter course
CAN MATH	24	Differential Equations
CAN MATH	25	
CAN MATH	26	
CAN MATH	27	
CAN MATH	28	
CAN MATH	29	Calculus for Social Science majors, 1st quarter of year sequence
CAN MATH	30	Calculus for Social Science majors, 1st semester of year sequence
CAN MATH	31	Calculus for Social Science majors, 2nd quarter of year sequence
CAN MATH	32	Calculus for Social Science majors, 2nd semester of year sequence
CAN MATH	33	Calculus for Social Science majors, 3rd quarter of year sequence
MUS		**MUSIC**
CAN MUS	1	Introduction, Music Theory, 1st quarter of year sequence
CAN MUS	2	Introduction, Music Theory, 1st semester of year sequence
CAN MUS	3	Introduction, Music Theory, 2nd quarter of year sequence
CAN MUS	4	Introduction, Music Theory, 2nd semester of year sequence
CAN MUS	5	Introduction, Music Theory, 3rd quarter of year sequence
CAN MUS	6	
CAN MUS	7	Introduction, Music Lit. Survey, 1st quarter of year sequence

CAN Prefix	CAN	DEPARTMENT(S) Course Title(s)
CAN MUS	8	Introduction, Music Lit. Survey, 1st semester of year sequence
CAN MUS	9	Introduction, Music Lit. Survey, 2nd quarter of year sequence
CAN MUS	10	Introduction, Music Lit. Survey, 2nd semester of year sequence
CAN MUS	11	Introduction, Music Lit. Survey, 3rd quarter of year sequence
PHIL		**PHILOSOPHY**
CAN PHIL	1	
CAN PHIL	2	Introduction, Philosophy
CAN PHIL	3	
CAN PHIL	4	Ethics
CAN PHIL	5	
CAN PHIL	6	Logic
PHYS		**PHYSICS**
CAN PHYS	1	Physics, Pre-Med, Dental, etc., 1st quarter of year sequence
CAN PHYS	2	Physics, Pre-Med, Dental, etc., 1st semester of year sequence
CAN PHYS	3	Physics, Pre-Med, Dental, etc., 2nd quarter of year sequence
CAN PHYS	4	Physics, Pre-Med, Dental, etc., 2nd semester of year sequence
CAN PHYS	5	Physics, Pre-Med, Dental, etc., 3rd quarter of year sequence
CAN PHYS	6	
CAN PHYS	7	Physics, Sci.-Engr. majors, 1st quarter of sequence
CAN PHYS	8	Physics, Sci.-Engr. majors, 1st semester of sequence (Mechanics)
CAN PHYS	9	Physics, Sci.-Engr. majors, 2nd quarter of sequence
CAN PHYS	10	Physics, Sci.-Engr. majors, 2nd semester of sequence (Heat and Light)
CAN PHYS	11	Physics, Sci.-Engr. majors, 3rd quarter of sequence
CAN PHYS	12	Physics, Sci.-Engr. majors, 3rd semester of sequence (Electricity and Magnetism)
CAN PHYS	13	Physics, Sci.-Engr. majors, 4th quarter of sequence
PSY		**PSYCHOLOGY**
CAN PSY	1	Introduction, Psychology, 1st quarter of year sequence
CAN PSY	2	Introduction, Psychology, Basic Processes
CAN PSY	3	Introduction, Psychology, 2nd quarter of year sequence
CAN PSY	4	Introduction, Psychology, Individual and Social Processes
CAN PSY	5	Introduction, Psychology, 3rd quarter of year sequence
REC		**RECREATION AND LEISURE STUDIES/RECREATION/ PHYSICAL EDUCATION**
CAN REC	1	
CAN REC	2	Introduction to Recreation
CAN REC	3	
CAN REC	4	Introduction to Recreation Leadership
CAN REC	5	
CAN REC	6	Recreational Use of Natural Resources
CAN REC	7	
CAN REC	8	Recreation—Environment and Park Soils Management
SOC		**SOCIOLOGY**
CAN SOC	1	
CAN SOC	2	Principles of Sociology
CAN SOC	3	
CAN SOC	4	Social Problems
SPCH		**COMMUNICATION STUDIES/SPEECH/ COMMUNICATION ARTS/RHETORIC**
CAN SPCH	1	
CAN SPCH	2	Introduction, Speech (Principles-Processes, Communication)
CAN SPCH	3	
CAN SPCH	4	Introduction, Public Speaking
STAT		**STATISTICS**
CAN STAT	1	
CAN STAT	2	Introduction, Statistics

July, 1986

AMENDMENT TO APPENDIX C, A GUIDE TO CAN

Articulation by Sequences of Courses within the CAN System

While basic, introductory courses are usually very similar, comparable and easily articulated from campus to campus, there are instances where because of the length of terms, philosophical differences regarding learning theory, arrangements of supporting or prerequisite courses or other pedagogical reasons, courses within a sequence vary in pace, manner, mode of instruction, or order of delivery to such an extent that they cannot be articulated with individual CAN courses.

However, within each sequence or series of courses, e.g. CAN CHEM 1+3+5, the first year, quarter term Chemistry sequence, there are common course contents, objectives, and desired student competencies. To accommodate these variations, within the CAN System we have now identified course groupings to permit campuses to articulate sequence to sequence using the sequence letters described below.

It is clearly preferable to articulate course to course so that students who transfer before completing a sequence are assured that their progress will be acknowledged at the receiving institution. If that is not possible, then the sequence to sequence option is available. The following examples explain the sequence concept when course "X" does not include the same topics or elements as the course we identify as CAN CHEM 1, course "Y" does not include the elements for CAN CHEM 3, and course "Z" does not include the elements for CAN CHEM 5. All the elements covered in CAN CHEM 1 and 3 and 5 are included in the courses X, Y, and Z. The same pattern may exist for semester term courses.

Qtr. Terms		Sem. Terms	
CAN CHEM 1	Course X	CAN CHEM 2	Course Q
Topics 1,2,3,4	Topics 1,2,5,9	Topics 1,2,3, 4,5,6	Topics 1,2,3, 4,11,12
CAN CHEM 3	Course Y	CAN CHEM 4	Course P
Topics 5,6,7,8	Topics 3,6,8,10	Topics 7,8,9, 10,11,12	Topics 5,6,7, 8,9,10
CAN CHEM 5	Course Z		
Topics 9,10, 11,12	Topics 4,7, 11,12		

In each example, the sequence designation, CAN CHEM SEQ A, may be used to describe the total "package" of twelve topics and outcomes.

CAN CHEM SEQ A ~ Courses X, Y, Z ~ CAN CHEM 1+3+5 ~
CAN CHEM 2+4 ~ Courses Q + P

All four examples represent the CAN CHEM SEQUENCE A and are acceptable in lieu of each other. It must be clear to students that all the courses in the sequence must be completed before the "in lieu of" assurance is valid.

This addition of sequence articulation requires a modification of the Appendix F reporting pages. Please indicate articulation by sequence by bracketing the appropriate courses as listed below. For example:

CAN 1	CAN 2	CAN 3	CAN 4	CAN 5	CAN 6	CAN 7	CAN 8
CAN CHEM SEQ A			Our Courses; Chem. 22, 23, 24				

etc.

On most campuses courses have been articulated and cross-referenced as CAN courses. In addition, catalogs and other publications should indicate that when taken as a "package" these courses represent Sequence A or B, etc.

APPENDIX C
Sequence Listing

CAN ART SEQ A	Course content included in CAN ART 1+3+5 or CAN ART 2+4
CAN BUS SEQ A	Course content included in CAN BUS 1+3+5 or CAN BUS 2+4
CAN CHEM SEQ A	Course content included in CAN CHEM 1+3+5 or CAN CHEM 2+4
CAN CHEM SEQ B	Course content included in CAN CHEM 7+9+11 or CAN CHEM 6+8
CAN ENGL SEQ A	Course content included in CAN ENGL 1+3+5 or CAN ENGL 2+4
CAN ENGL SEQ B	Course content included in CAN ENGL 7+9+11 or CAN ENGL 8+10
CAN ENGL SEQ C	Course content included in CAN ENGL 13+15+17 or CAN ENGL 14+16
CAN HIST SEQ A	Course content included in CAN HIST 1+3+5 or CAN HIST 2+4
CAN HIST SEQ B	Course content included in CAN HIST 7+9+11 or CAN HIST 8+10
CAN HUM SEQ A	Course content included in CAN HUM 1+3+5 or CAN HUM 2+4
CAN MATH SEQ A	Course content covered in CAN MATH 11+13+15 or CAN MATH 12+14
CAN MATH SEQ B	Course content covered in CAN MATH 17+19+21 or CAN MATH 18+20
CAN MATH SEQ C	Course content covered in CAN MATH 17+19+21+23 or CAN MATH 18+20+22
CAN MATH SEQ D	Course content covered in CAN MATH 29+31+33 or CAN MATH 30+32
CAN MUS SEQ A	Course content covered in CAN MUS 1+3+5 or CAN MUS 2+4
CAN MUS SEQ B	Course content covered in CAN MUS 7+9+11 or CAN MUS 8+10
CAN PHYS SEQ A	Course content covered in CAN PHYS 1+3+5 or CAN PHYS 2+4
CAN PHYS SEQ B	Course content covered in CAN PHYS 7+9+11+13 or CAN PHYS 8+10+12
CAN PSY SEQ A	Course content covered in CAN PSY 1+3+5 or CAN PSY 2+4

APPENDIX D

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
Government Department
6000 J Street
Sacramento, CA 95819
(916) 454-6202

D1

GOVERNMENT
TRANSFER CREDIT AGREEMENT with **ALLAN HANCOCK COLLEGE**
Lower Division Major Preparation

CSUS agrees to accept the community college courses listed below toward meeting lower division preparatory requirements in this major. Any remaining requirements may be completed upon transfer. If there is a "break" in your attendance, you will be required to fulfill any new requirements which may be imposed subsequently. Contact your counselor or the departmental advising office listed above if you have questions.

CSUS LOWER DIVISION MAJOR PREPARATION		COMMUNITY COLLEGE PREPARATION	
REQUIRED LOWER DIVISION COURSES:			
Govt. 1, Essentials of Government OR	(3)	Pol. Sci. 103, American Government	(3)
Govt. 13, Basic Political Questions	(3)		
OPTIONAL LOWER DIVISION PREPARATION:			
Govt. 30, International Relations	(3)	Pol. Sci. 104, Introduction to International Relations	(3)
Govt. 40, Comparative Political Syst.	(3)		

COMMENTS: *Pol. Sci. 103 meets state Code requirement for U.S. Government and Constitution only. Pol. Sci. 105, Politics of Government in California satisfies CA State and Local Government Code requirement.

APPROVED: Original Signed Chair, Government Department

Original Signed Articulation Officer, School/College Relations

DATE: January 22, 1985

CALIFORNIA STATE UNIVERSITY, SACRAMENTO
Biological Sciences Department
6000 J Street
Sacramento, CA 95819
(916) 454-6535

D2

BIOLOGICAL SCIENCES
TRANSFER CREDIT AGREEMENT with NAPA VALLEY COLLEGE
Lower Division Major Preparation

CSUS agrees to accept the community college courses listed below toward meeting lower division preparatory requirements in this major. Any remaining requirements may be completed upon transfer. If there is a "break" in your attendance, you will be required to fulfill any new requirements which may be imposed subsequently. Contact your counselor or the departmental advising office listed above if you have questions.

CSUS LOWER DIVISION MAJOR PREPARATION		COMMUNITY COLLEGE PREPARATION	
A. **MAJOR CORE PREPARATION** (Required of all majors):		See Comments Below.	
Bio. Sci. 10, Basic Bio. Concepts	(3)	BIOL 120, General Biology	(4)
Bio. Sci. 11, Animal Biology	(4)	BIOL 240, General Zoology	(5)
Bio. Sci. 12, Plant Biology	(4)	BIOL 241, General Botany	(5)
Chem. 1A-B, General Chemistry	(5-5)	CHEM 120-121, General Chemistry	(5-5)
Chem. 20, Organic Chemistry Lecture	(3)	No Equivalent	
Phys. 5A-B, General Physics	(4-4)	PHYS 120-121, General Physics	(4-4)
One of the following:		One of the following:	
Math 26A, Calculus for Life Science	(3)	MATH 116, Intro. to Calculus 1	(3)
Math 29, Pre-Calculus	(4)	MATH 104, Trig. & Analytic Geometry	(5)
Math 30, Calculus I	(4)	MATH 120, Calculus I	(4)
B. OPTIONAL PREPARATION:			
Bio. Sci. 22, Intro. Human Anatomy*	(4)	BIOL 218, Human Anatomy	(5)
Bio. Sci. 128 OR 128.1, Intro. Physiology*#	(4-5)	BIOL 219, Human Physiology	(5)
Bio. Sci. 139 or 140, Micro.+#	(4-5)	BIOL 220, General Microbiology	(5)
Chem. 31, Inorganic Quant. Analysis*	(4)	CHEM 242, Quantitative Analysis	(4)
Stat. 1, Intro. to Statistics*	(3)	MATH 232, Statistics	(3)
C. COURSES FOR NON MAJORS:			
Bio. Sci. 5, General Biology	(4)	BIOL 110, Survey of Biology	(4)
Bio. Sci. 20, Biology: A Human Persp.	(3)	No Equivalent	
Bio. Sci. 21, Biology: A Human Persp. (Lecture and Lab)	(4)	No Equivalent	

The BA Major includes GENERAL BIOLOGY with concentrations in ANIMAL BIOLOGY, PLANT BIOLOGY, ENVIRONMENTAL BIOLOGY, MICROBIOLOGY, and HUMAN BIOLOGY. The BS Major includes concentrations in CLINICAL LABORATORY TECHNOLOGY, ENVIRONMENTAL HEALTH SCIENCE, PUBLIC HEALTH MICROBIOLOGY, and BIOLOGICAL CONSERVATION. Students transferring to CSUS are urged to complete as many of the lower division required courses as possible at the community college, particularly those in Chemistry and Physics.

* Required in specific concentrations. + Required of all majors.

# If Microbiology or Physiology are taken at the community college, students will receive credit for the subject requirement but will be required to make up the deficit in upper division units by taking additional electives at CSUS.

APPROVED: Original Signed Chair, Biological Sciences Department

Original Signed Articulation Officer, School/College Relations

DATE: February 15, 1985

Suggested articulation agreement format for 4-year campuses.

CALIFORNIA STATE UNIVERSITY, SAMPLE
Economics Department
Main Street
Sample, CA 99999
(123) 456-7890

(NAME OF UNIVERSITY)
Department of Economics
Easy Street
Anywhere, CA 99990
(098) 765-4321

ECONOMICS
TRANSFER CREDIT AGREEMENT
Lower Division Major Preparation

We agree to accept the courses listed below toward meeting lower division preparatory requirements in this major. Remaining requirements may be completed upon transfer. A "break" in your attendance may require you to fulfill new requirements. Contact your counselor or the departmental advising office listed above if you have questions.

CSUS LOWER DIVISION MAJOR PREPARATION		(Name of Univ) LOWER DIVISION MAJOR PREP.	
A. REQUIRED LOWER DIVISION COURSES:			
Econ. 1A, Introduction to Aggregate Economic Analysis (MACRO)	(3)	Econ. 101, Principles of Economics	(3)
Econ. 1B, Introduction to Market Analysis (MICRO)	(3)	Econ. 102, Principles of Economics	(3)
Stat. 1, Introduction to Statistics OR MIS 40, Business Statistics	(3)	Math 118, Elementary Statistics	(3)

COMMENTS: Econ. 1A, 1B and Stat. 1 or BA 40, or equivalents, are required for the Economics major AND minor. The 9 units can count toward an Economics minor and Business major simultaneously.

APPROVED:

CSUS Department Chair, Economics
(Name of Univ.) Department Chair, Economics

CSUS Articulation Officer
(Name of Univ.) Articulation Officer

DATE: ____________________

APPENDIX E

CATALOG COPY

Publications should explain CAN to the campus community. A complete page, such as Appendix G, or the following, may suffice:

California Articulation Number (CAN)

The California Articulation Number (CAN) identifies some of the transferable, lower division, introductory (preparatory) courses commonly taught within each academic discipline on California college campuses.

Lists of courses from campuses who have qualified to participate in the CAN system are available in counseling offices. The system assures students that CAN courses on one participating campus will be accepted "in lieu of" the comparable CAN course on another participating campus. For example: CAN ECON 2 on one campus will be accepted for CAN ECON 2 on another participating campus. Each campus retains its own numbering system.

There are two approved options for identifying CAN courses within catalog copy. CAN's are either listed 1) parenthetically as part of the course title or 2) following the course description. If a statement such as "Acceptable for credit: UC, CSU," is used, the California Articulation Number designation should be positioned in another location.

1A PRINCIPLES OF ECONOMICS (CAN ECON 2)[1] 3 UNITS

Prequisites: None. Intermediate algebra recommended.
Acceptable for credit: UC, CSU
Three hours lecture

Describes the interaction among households, business, and governmental sectors; relates the link between money, interest rates, governmental taxation and expenditure in determining the levels of output, employment, prices and income. (CAN ECON 2)[2]

Either location is acceptable.

August 1985

REPORTING CAMPUS: ______________________________

CAN DISCIPLINE: ____________________ ARTICULATION REPORT FOR 2- AND 4-YEAR CAMPUSES

YOUR COURSE PREFIX: ____________________

	CAN 1	CAN 2	CAN 3	CAN 4	CAN 5	CAN 6	CAN 7	CAN 8	CAN 9	CAN 10	CAN 11	CAN 12	CAN 13	CAN 14	CAN 15	CAN 16	CAN 17	CAN 18	CAN 19	CAN 20
YOUR COURSE NUMBER:																				
List 4-year campuses in alpha-order below:																				

Name/Title of Campus Official

Signature

(   ) Telephone Number

Date

Revised, 8/85

REPORTING CAMPUS: ______________________

CAN DISCIPLINE: ______________________

YOUR COURSE PREFIX: ______________________

F2

ARTICULATION REPORT FOR 2- AND 4-YEAR CAMPUSES

	CAN 21	CAN 22	CAN 23	CAN 24	CAN 25	CAN 26	CAN 27	CAN 28	CAN 29	CAN 30	CAN 31	CAN 32	CAN 33	CAN 34	CAN 35	CAN 36	CAN 37	CAN 38	CAN 39	CAN 40
YOUR COURSE NUMBER:																				
List 4-year campuses in alpha-order below:																				

APPENDIX F2

24

Name/Title of Campus Official   Signature   (   ) Telephone Number   Date

Revised, 8/85

F3
SUPPLEMENTAL

REPORTING CAMPUS: ______________________________

CAN DISCIPLINE: ____________________

ARTICULATION REPORT FOR 4-YEAR CAMPUSES

YOUR COURSE PREFIX: ____________________

	CAN 1	CAN 2	CAN 3	CAN 4	CAN 5	CAN 6	CAN 7	CAN 8	CAN 9	CAN 10	CAN 11	CAN 12	CAN 13	CAN 14	CAN 15	CAN 16	CAN 17	CAN 18	CAN 19	CAN 20
YOUR COURSE NUMBER:																				
List 2-year campuses in alpha-order below:																				

APPENDIX F3

( )

Name/Title of Campus Official Signature Telephone Number Date

Revised, 8/85

REPORTING CAMPUS: ______________________

CAN DISCIPLINE: ______________________

YOUR COURSE PREFIX: ______________________

ARTICULATION REPORT FOR 4-YEAR CAMPUSES

	CAN 21	CAN 22	CAN 23	CAN 24	CAN 25	CAN 26	CAN 27	CAN 28	CAN 29	CAN 30	CAN 31	CAN 32	CAN 33	CAN 34	CAN 35	CAN 36	CAN 37	CAN 38	CAN 39	CAN 40
YOUR COURSE NUMBER:																				
List 2-year campuses in alpha-order below:																				

		( )	
Name/Title of Campus Official	Signature	Telephone Number	Date

APPENDIX F4

Revised, 8/85

APPENDIX G

SAMPLE HANDOUT FOR STUDENTS, FACULTY AND STAFF

"Name of College or University"

CALIFORNIA ARTICULATION NUMBER SYSTEM
(CAN)

CALIFORNIA STATE UNIVERSITY, ________________ participates in the California Articulation Number System. The California Articulation Number System (CAN) is designed to identify the transferable, lower division, introductory (preparatory) courses commonly taught within each academic discipline on most California college campuses and to assign each a California Articulation Number. One of the basic premises of the CAN system is that a **CAN 2 course on one participating campus, for example, will be accepted "in lieu of" a CAN 2 course on another participating campus.** The courses are not necessarily identical to each other but are comparable.

There are formulas and agreements for transferring from quarter to semester term schools and vice versa. The CAN system is based upon existing faculty-approved articulation agreements and is not all inclusive. The disciplines and courses which have been assigned California Articulation Numbers and our own course numbers are listed below.

Our Course		CAN Course	
Cr. Just.	1	CAN AJ	2
Cr. Just.	3	CAN AJ	6
Cr. Just.	4	CAN AJ	8
Anth.	1	CAN ANTH	2
Anth.	2	CAN ANTH	4
Art	1A	CAN ART	2
Art	1B	CAN ART	4
Art	50A	CAN ART	6
Art	20A	CAN ART	8
Art	21	CAN ART	10
Art	88A	CAN ART	12
Biol.	10	CAN BIOL	2
Biol.	11	CAN BIOL	4
Biol.	12	CAN BIOL	6
Biol.	20	CAN BIOL	8
Biol.	22	CAN BIOL	10
BA	1	CAN BUS	2
BA	2	CAN BUS	4
BA	5	CAN BUS	6
BA	18	CAN BUS	8
Chem.	1A	CAN CHEM	2
Chem.	1B	CAN CHEM	4
Chem.	6A	CAN CHEM	6
Chem.	6B	CAN CHEM	8
C Sci.	1	CAN C SCI	2
C Sci.	16	CAN C SCI	4
C Sci.	22	CAN C SCI	6
C Sci.	30	CAN C SCI	8
C Sci.	35	CAN C SCI	10
Drama	2	CAN DRAM	2
Drama	3	CAN DRAM	4
Drama	10	CAN DRAM	6
Drama	11A	CAN DRAM	8
Drama	20	CAN DRAM	10
Econ.	1A	CAN ECON	2
Econ.	1B	CAN ECON	4
Engr.	4	CAN ENGR	2
Engr.	45	CAN ENGR	4
Engr.	17	CAN ENGR	6
Engr.	30	CAN ENGR	8

Our Course		CAN Course	
Engl.	1A	CAN ENGL	2
Engl.	1B	CAN ENGL	4
Engl.	30	CAN ENGL	6
Engl.	40A	CAN ENGL	8
Engl.	40B	CAN ENGL	10
Engl.	50A	CAN ENGL	14
Engl.	50B	CAN ENGL	16
Engl.	71A	CAN ENGL	18
Engl.	71B	CAN ENGL	20
Engl.	71C	CAN ENGL	22
Geog.	1	CAN GEOG	2
Geog.	2	CAN GEOG	4
Geol.	10 & 11	CAN GEOL	2
Geol.	12	CAN GEOL	4
Govt.	1	CAN GOVT	2
Hist.	4	CAN HIST	2
Hist.	5	CAN HIST	4
Hist.	17A	CAN HIST	8
Hist.	17B	CAN HIST	10
Hm Ec.	10	CAN H EC	2
Hm Ec.	20	CAN H EC	4
Hm Ec.	31	CAN H EC	6
Hm Ec.	11	CAN H EC	8
Hm Ec.	32	CAN H EC	10
Hm Ec.	50	CAN H EC	12
Hm Ec.	52	CAN H EC	14
Hum.	10	CAN HUM	2
Hum.	11	CAN HUM	4
Journ.	30	CAN JOUR	2
Journ.	5	CAN JOUR	4
Math	1	CAN MATH	2
Math	11	CAN MATH	10
Math	22A	CAN MATH	12
Math	22B	CAN MATH	14
Math	29	CAN MATH	16
Math	30	CAN MATH	18
Math	31	CAN MATH	20
Math	32	CAN MATH	22
Math	45	CAN MATH	24
Math	26A	CAN MATH	30
Math	26B	CAN MATH	32

Our Course		CAN Course	
Mus.	10A	CAN MUS	8
Mus.	10B	CAN MUS	10
Phil.	6	CAN PHIL	2
Phil.	2	CAN PHIL	4
Phil.	4	CAN PHIL	6
Phys.	5A	CAN PHYS	2
Phys.	5B	CAN PHYS	4
Phys.	11A	CAN PHYS	8
Phys.	11B	CAN PHYS	10
Phys.	11C	CAN PHYS	12
Psych.	1A	CAN PSY	2
Psych.	1B	CAN PSY	4

Our Course		CAN Course	
RLS	30	CAN REC	2
RLS	32	CAN REC	4
RLS	42	CAN REC	6
RLS	41	CAN REC	8
Soc.	1	CAN SOC	2
Soc.	3	CAN SOC	4
Com St.	1	CAN SPCH	2
Com St.	4	CAN SPCH	4
Stat.	1	CAN STAT	2

APPENDIX H

INFORMATION ABOUT THE CALIFORNIA ARTICULATION NUMBER SYSTEM

Senate Bill 851 (1983) requested that CPEC "develop a plan for a course numbering system to be used by public postsecondary educational institutions." A feasibility study on "Common Course Numbering Systems for Public Higher Education in California" was completed December, 1984. In January, 1985, the California Postsecondary Education Commission recommended that the Legislature and the Governor provide funding for implementation of the CAN system. For 1985-86 funding for the coordinating office will be provided by the three public segments of higher education.

A CAN Coordinating Committee, composed of representatives from the three public segments of higher education, has been established. The Committee will determine policy and will represent the project to its constituents with the goal of an effective statewide numbering system based on faculty-approved articulation agreements. The CAN Project Office will remain in its present location at the Cal State, Sacramento campus during 1985-86.

Origin of the CAN System

A discussion of the diverse course numbering systems at the 1982 Articulation Council Conference sparked considerable interest. In the Fall of 1982, the California Articulation Number (CAN) system was studied in a pilot project including over 20 two- and four-year colleges and universities in Northern California. It was heartily endorsed by the pilot group. Informational meetings and extensive work on the project by volunteers from the three segments have extended CAN throughout California.

What is the CAN System?

CAN is a cross reference course numbering system designed to identify courses which are most commonly presented by students in transfer. A network of faculty-approved articulation agreements provides the foundation for this cross reference system. Currently there are 108 semester unit courses and 53 quarter unit courses within 27 academic disciplines included in the system. These courses are transferable, lower division, introductory courses. Each of the courses has been assigned a CAN as follows: a) even numbers for semester courses and comparable quarter courses (if one quarter course is articulated with one semester course), and b) odd numbers for other quarter courses.

Each campus must develop a written, faculty-approved agreement for ***each course*** with a minimum of 4 four-year institutions including at least one CSU and one UC campus. Campuses may choose to articulate any number of courses from one course to 108. The system reduces the need for each campus to negotiate articulation agreements with every other campus in the state. It provides the assurance that the courses eligible to use a California Articulation Number have been reviewed and approved by faculty from a minimum of four campuses.

This is the way the system is intended to work: If CSU, Hayward, CSU, Chico, San Francisco State and UC Berkeley each had faculty-approved articulation agreements with Diablo Valley College to accept DVC's Introductory College English course, then the Diablo Valley College course would be accepted by all campuses qualified and committed to participate in the CAN system for the Introductory College English course.

If a course qualifies for a CAN and a campus elects to participate in the system, then a CAN with the appropriate discipline prefix may be inserted in catalogs, on course lists, etc. ***in addition*** to the campus' own number (for example, Engl. 100 (CAN ENGL 2), "Introductory College English").

Faculty-approved articulation agreements and adherence to formal, written administrative processes are essential to assure quality control. The CAN system is built on these articulation practices. A statewide network of course agreements among four-year institutions strengthens and supports local and regional articulation efforts and assures consistency and acceptability of CAN courses.

Briefs on the CAN System:

- The CAN system is ***not*** a common numbering system.
- A basic premise of the system is that courses are acceptable "in lieu of" each other—not necessarily "equivalent" or "identical" in content.
- Each campus retains and uses its own course number, prefix, and title; the appropriate CAN and prefix are simply added.
- The system provides the foundation for increased and improved articulation efforts statewide; it does not limit additional articulation.
- Participation in the CAN system is VOLUNTARY, WITHOUT FEE and SIMPLE. Campuses may add courses as criteria are met; courses may be deleted simply by not publishing a CAN alongside the course.
- The system is small now (108 semester courses), but it is modifiable and may be expanded.
- CAN is an intersegmental effort available to any two- or four-year accredited institution of higher education in the State of California.
- The use of a CAN denotes faculty-approved articulation, that the criteria to participate have been met and that the campus agrees to accept

similarly-numbered CAN courses in transfer.

- **Further development and implementation of the system has the support of the three segments of public higher education, several private institutions, academic senates, and CPEC.**
- **The system has progressed slowly to accommodate campuses just beginning the written, faculty-approved process and to ensure accuracy and understanding.**
- **Two copies of the *CAN Primer,* the information and guidance booklet on the system, were mailed to each campus in March, 1984; the 1985 CAN Guide is the comprehensive booklet for the system.**

* * * * *

The goal of the California Articulation Number system is to simplify the confusing and mystifying multiple course numbering systems facing students, faculty, and counselors, making the transfer process easier and simultaneously leading to increased and improved articulation throughout California.

For additional information contact:

California Articulation Number Project
Office
6000 J Street
Sacramento, CA 95819
(916) 454-6957

APPENDIX I

CAN COORDINATING COMMITTEE

Dr. William Haldeman
Assistant Director
CA Postsecondary Education Commission
1020 12th Street
Sacramento, CA 95814
(916) 445-7933

Dr. Connie Anderson
Specialist, Academic Planning/Development
CA Community Colleges Chancellor's Office
1107 9th Street
Sacramento, CA 95814
(916) 322-4656

Dr. Bruce Paulson
Dean, Student Services
Mt. San Antonio College
1100 North Grand Avenue
Walnut, CA 91789
(714) 594-5611 x. 505

Ms. Barbara Loughridge
Assistant Dean
Los Rios District Office
1919 Spanos Court
Sacramento, CA 95825
(916) 920-7834

Dr. Mark Edelstein
Chair, Community College Academic Senate
Palomar College
1140 West Mission Boulevard
San Marcos, CA 92069
(619) 744-1150 x. 2396

Mr. Ed Apodaca
Director, Admissions and Outreach Services
UC Office of the President
317 University Hall
Berkeley, CA 94720
(415) 642-5860 ATSS 8-582-5860

Ms. Deborah Friedman
Administrative Analyst
UC Office of the President
381 University Hall
Berkeley, CA 94720
(415) 642-7379 ATSS 8-582-7379

Ms. Karen Taylor
Relations with Schools
103 Sproul Hall
UC Berkeley
Berkeley, CA 94720
(415) 642-5135 ATSS 8-582-5135

Mr. Juel Lee
Director, Community College Relations
204 Administration
UC Irvine
Irvine, CA 92717
(714) 856-5518 ATSS 8-687-5518

Dr. Mark L. Wheelis
Vice Chair, BOARS
256 Hutchison
UC Davis
Davis, CA 95616
(916) 752-0562 ATSS 8-477-0562

Dr. Stephanie McGraw
Assoc. Dean, Educational Support Services
Office of the Chancellor of the CSU
400 Golden Shore, Suite 110
Long Beach, CA 90802
(213) 590-5547 ATSS 8-635-5547

Mr. William Gowler
Director, School/College Relations
CSU, Fullerton
Fullerton, CA 92634
(714) 773-2361 ATSS 8-666-2361

Dr. Bernie Goldstein
Chair, CSU Academic Senate
400 Golden Shore, Suite 134
Long Beach, CA 90802
(213) 590-5578 ATSS 8-635-5578

Dr. Duane Anderson
Convenor, CAN Coordinating Committee
Director of Admissions, Records and School College Relations, CSUS
CTR 111A
6000 J Street
Sacramento, CA 95819
(916) 454-6723 ATSS 8-433-6723

CAN OFFICE PERSONNEL

Carolyn Salls
Project Coordinator

Helena Bennett
Rusty Slabinski

6000 J Street
Sacramento, CA 95819
(916) 454-6957 ATSS 8-433-6957

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Junior Colleges
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